

# Amanpreet Kapoor

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## RESEARCH INTERESTS

Computing Education, Informal Education, Human-computer Interaction, Employment, Identity Formation

## ACADEMIC POSITIONS

|  |                |
|--|----------------|
| Instructional Associate Professor, Department of Engineering Education, University of Florida, USA | Aug 25-Present |
| Instructional Assistant Professor, Department of Engineering Education, University of Florida, USA | Aug 20-Aug 25  |
| Affiliate, Department of Computer & Information Science & Engg., University of Florida, USA        | Dec 20-Present |
| Research Assistant, Engaging Learning Lab, University of Florida, USA                              | Oct 15-May 25  |
| Instructor of Record (Campus), University of Florida, USA  | Jan 20-Aug 20  |
| Instructor of Record (Online), University of Florida, USA  | Aug 18-Dec 19  |
| Graduate Teaching Assistant, University of Florida, USA  | Aug 17-Apr 19  |
| Undergraduate Teaching Assistant, Jaypee University of Engineering & Technology, India             | Jul 14-Dec 14  |

## EDUCATION

|   |        |
|---|--------|
| Ph.D. in Human-Centered Computing, University of Florida, USA   | May 25 |
| <i>Computing Undergraduate Students' Participation in Internships: Experiences, Preparation, &amp; Barriers</i> |        |
| Advisor: <a href="#">Dr. Christina Gardner-McCune</a>   |        |
| M.S. in Computer Science, University of Florida, USA  | May 16 |
| B.Tech. in Computer Science, Jaypee University of Engineering & Technology, India                               | May 15 |

## OTHER EMPLOYMENT

|  |               |
|--|---------------|
| Solution Developer, Deloitte Consulting LLP, Lake Mary, Florida, USA                       | Sep 16-Aug 17 |
| UI Software Engineering Intern, Siemens Healthineers, Issaquah, Washington, USA            | May 16-Aug 16 |
| Web Developer, Bridge Software Institute, University of Florida, Gainesville, Florida, USA | Dec 15-Aug 16 |

## GRANTS

|      |  |        |
|------|--|--------|
| [G4] | <i>Edugator: An AI-enabled Tool for Creating and Delivering Interactive Computing Content</i>                        | Apr 25 |
|      | PI, UF Innovate Innovation Fund Award  |        |
| [G3] | <i>Preparing Computing Students for Technical Interviews through Interactive Hands-on &amp; AI-assisted Learning</i> | Jan 25 |
|      | PI, Proctor & Gamble U.S. Higher Education Grant   |        |
| [G2] | <i>Preparing Computing Students for Technical Interviews through Open Educational Resources</i>                      | Jun 22 |
|      | PI, Course Transformation Grant, Center for Teaching Excellence & George A. Smathers Libraries, UF                   |        |
| [G1] | <i>CS Identity Development Interview Project</i>   | Jun 18 |
|      | Co-PI, ACM SIGCSE Special Award, Special Interest Group on Computer Science Education                                |        |
|      | Co-shared with my advisor: Dr. Christina Gardner-McCune  |        |

## AWARDS & SCHOLARSHIPS

|       |   |        |
|-------|---|--------|
| [A15] | 2025 Florida Government Productivity Award, Florida TaxWatch & the State of Florida               | Sep 25 |
| [A14] | 2024-25 EEd Teacher of the Year, Department of Engineering Education, UF                          | Feb 25 |
| [A13] | 2024 UF Faculty Career Influencer Award, Career Connections Center, UF                            | Apr 24 |
| [A12] | 2024 UF Online Educator of the Year, Center for Teaching Excellence and the Provost Office, UF    | Apr 24 |
| [A11] | Exemplary course designation for COP3502 Programming Fundamentals I, UF+QM Online Courses         | Dec 23 |
| [A10] | 2023 Affordable Access Award, Center for Teaching Excellence, UF                                  | Apr 23 |
| [A9]  | Gartner Group Graduate Fellowship, CISE Department, UF  | Mar 20 |
| [A8]  | University of Florida International Center Certificate of Excellence, UF                          | Nov 19 |
| [A7]  | CISE Department Nominee, Outstanding Graduate Teaching Assistant Award, UF                        | Apr 19 |
| [A6]  | 2nd place, ACM Student Research Competition <a href="#">[P4]</a> at SIGCSE 2019, Minneapolis, USA | Mar 19 |
| [A5]  | Graduate Teaching Assistantship for Doctoral Program, UF  | Aug 17 |
| [A4]  | Firm Impact Award for meeting firm goals & professionalism, Deloitte Consulting, USA              | Jul 17 |
| [A3]  | Applause Award for top performance in a team of 40 analysts, Deloitte Consulting, USA             | Apr 17 |
| [A2]  | Academic Achievement Award for Excellence in Academics, UF, USA                                   | Aug 15 |
| [A1]  | Vice Chancellor's Gold Medal for highest GPA in CS, Jaypee University (JUET), India               | May 15 |

## TRAVEL AWARDS

|        |   |        |
|--------|---|--------|
| [TG14] | NSF Travel Grant (\$1000) to attend ACM CompEd 2023                                   | Dec 23 |
| [TG13] | CRA LEVEL UP workshop travel scholarship (\$500)                                      | Sep 23 |
| [TG12] | Stanford University Travel Grant (\$2000) to attend Embedded Ethics Conference        | May 23 |
| [TG11] | Graduate Student Council, UF (\$350) to attend ACE 2020                               | Feb 20 |
| [TG10] | ACM ITiCSE Doctoral Consortium (£450) to attend ITiCSE 2019                           | Jul 19 |
| [TG9]  | ACM IMS (\$950) to attend Interdisciplinary Summit on the Foundations of Data Science | Jun 19 |
| [TG8]  | Python Software Foundation (\$535) to attend PyCon 2019                               | May 19 |
| [TG7]  | GREAT Foundation Travel Grant (\$500) to attend SIGCSE 2019                           | Feb 19 |
| [TG6]  | Graduate Student Council, UF (\$350) to attend SIGCSE 2019                            | Feb 19 |
| [TG5]  | ACM Student Travel Grant (\$500), to attend SIGCSE 2019                               | Feb 19 |
| [TG4]  | CISE Department Travel Scholarship, UF (\$500) to attend ITiCSE 2018                  | Jul 18 |
| [TG3]  | Python Software Foundation (\$500) to attend PyCon 2018                               | May 18 |
| [TG2]  | Graduate Student Council, UF (\$350) to attend SIGCSE 2018                            | Feb 18 |
| [TG1]  | Python Software Foundation (\$200) to attend PyCon 2016                               | May 16 |

## TEACHING EXPERIENCE

### Instructional Associate Professor at University of Florida, USA

*Responsibilities:* lead lectures, supervise TAs, create video lectures, curate content and assessments, mentor students

*Summary:* Led 1 course, taught 510 students, supervised 23 TA positions, and average evaluation of -/5.0

| Course                         | Code    | Session | #Students | #Staff Supervised | Evaluation |
|--------------------------------|---------|---------|-----------|-------------------|------------|
| Data Structures and Algorithms | COP3530 | Fa 25   | 510       | 23                | -          |

### Instructional Assistant Professor at University of Florida, USA

*Responsibilities:* lead lectures, supervise TAs, create video lectures, curate content and assessments, mentor students

*Summary:* Led 3 courses, taught 6712 students, supervised 279 TA positions, and average evaluation of 4.6/5.0

| Course                                | Code    | # Semesters | #Students | #Staff Supervised | Mean Eval. |
|---------------------------------------|---------|-------------|-----------|-------------------|------------|
| Data Structures and Algorithms        | COP3530 | 15          | 4970      | 207               | 4.7/5.0    |
| Data Structures and Algorithms Online | COP3530 | 9           | 438       | 12                | 4.6/5.0    |
| Human-Computer Interaction            | CEN4721 | 1           | 50        | 1                 | 4.9/5.0    |
| Programming Fundamentals 1 Online     | COP3502 | 4           | 534       | 29                | 4.5/5.0    |
| Programming Fundamentals 1            | COP3502 | 2           | 720       | 30                | 4.4/5.0    |

### Instructor of Record at University of Florida, USA

*Responsibilities:* lead lectures, supervise TAs, create video lectures, curate content and assessments, give feedback

*Summary:* Led 2 courses, taught 284 students, supervised 5 TA positions, and average evaluation of 4.8/5.0

| Course                                | Code    | # Semesters | #Students | #Staff Supervised | Mean Eval. |
|---------------------------------------|---------|-------------|-----------|-------------------|------------|
| Data Structures and Algorithms        | COP3530 | 1           | 145       | 3                 | 4.8/5.0    |
| Programming Fundamentals 1            | COP3502 | 1           | 49        | 2                 | 4.7/5.0    |
| Data Structures and Algorithms Online | COP3530 | 4           | 90        | -                 | 4.8/5.0    |

### Graduate Teaching Assistant at University of Florida, USA

*Responsibilities:* lead discussion sessions, curate content and assessments, give feedback, supervising staff

| Course                         | Code    | # Semesters | #Students |
|--------------------------------|---------|-------------|-----------|
| Data Structures and Algorithms | COP3530 | 4           | 209       |
| Software Engineering           | CEN3031 | 1           | 60        |

### Undergraduate Teaching Assistant at Jaypee University of Engineering & Technology, India

*Responsibilities:* designed the course homework, projects and resolved the difficulties encountered by students

| Course             | # Semesters | #Students |
|--------------------|-------------|-----------|
| Web Technology Lab | Fa 14       | 54        |

## REFEREED JOURNAL PAPERS

- [J1] IEEE Transactions Effects of a Block-based Scaffolded Tool on Students' Introduction to Hierarchical Data  
of Education 21 Structures  
*Feijóo García, P., Kapoor, A., Gardner-McCune, C. & Ragan, E.*  
<https://doi.org/10.1109/TE.2021.3109604>

**Note:** In computer science, conferences are top-tier publishing venues, with selectivity and impact often exceeding journals (<https://cra.org/resources/best-practice-memos/evaluating-computer-scientists-and-engineers-for-promotion-and-tenure/>).

| Conference abbr. | Full Conference Title   |
|------------------|---|
| ASEE             | American Society for Engineering Education Annual Conference and Exposition |
| SIGCSE           | Technical Symposium on Computer Science Education                           |
| ACE              | Australasian Computing Education Conference                                 |
| ITiCSE           | Conference on Innovation and Technology in Computer Science Education       |
| UXPA             | User Experience Professionals Association (UXPA) International Conference   |
| VL/HCC           | IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)     |
| IVA              | ACM International Conference on Intelligent Virtual Agents                  |
| CHI              | ACM CHI Conference on Human Factors in Computing Systems                    |
| IDC              | ACM Interaction Design and Children Conference                              |
| ICER             | ACM Conference on International Computing Education Research                |

## REFEREED FULL CONFERENCE PAPERS

- [C18] ACM ICER 25 Creating an Instrument to Measure Undergraduate Computer Science Students' Self-Efficacy in Object-Oriented Programming (OOP): Preliminary Validity and Reliability Evidence  
*Prasad, P., Umapathy, K., Ritzhaupt, A., Kapoor, A.*  
<https://doi.org/10.1145/3702652.3744212>
- [C17] ACM ITiCSE 25 Retrospective Evaluation of Technical Interview Preparation Activities offered in a Data Structures and Algorithms Course  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3724363.3729102>
- [C16] ASEE 2025 Exploring the Impact of Student-Created Review Videos in Two Early Computing Courses  
*Tressler, C., Cruz Castro, L., Kapoor, A. & Blanchard, J.*
- [C15] ACM SIGCSE 25 NeuRL: A Standalone No-Code Web-Based Agent Environment to Explore Neural Networks and Reinforcement Learning  
*Siegel, S., Kapoor, A., Rashidi, P.*  
<https://doi.org/10.1145/3641554.3701850>
- [C14] ACM CompEd 23 Where's the Data? Finding and Reusing Datasets in Computing Education.  
*Kiesler, N., Impagliazzo, J., Biernacka, K., Kapoor, A., Kazmi, Z., Ramagoni, S.G., Sane, A., Tran, K., Taneja, S. and Wu, Z.*  
<https://doi.org/10.1145/3598579.3689378>
- [C13] ASEE 2023 Computing students' design preferences and barriers when solving short programming problems  
*Hardin, J., Diaz, M. & Kapoor, A.*  
<https://peer.asee.org/43292>
- [C12] ACM SIGCSE 23 Logistics, Affordances, and Evaluation of Build Programming: A Code Reading Instructional Strategy  
*Kapoor, A., Xie, T., Kwan, L. & Gardner-McCune, C.*  
<https://doi.org/10.1145/3545945.3569756>
- [C11] ACM SIGCSE 23 Implementation and Evaluation of Technical Interview Preparation Activities in a Data Structures and Algorithms Course  
*Kapoor, A., Panchal, S. & Gardner-McCune, C.*  
<https://doi.org/10.1145/3545945.3569755>
- [C10] ACM SIGCSE 23 Modeling Determinants of Undergraduate Computing Students' Participation in Internships  
*Wolf, M., Kapoor, A., Xie, T., Kwan, L. & Gardner-McCune, C.*  
<https://doi.org/10.1145/3545945.3569754>
- [C9] Koli Calling 22 Categorizing Research on Identity in Undergraduate Computing Education  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3564721.3565948>
- [C8] ASEE 2021 Reflection and Transformational Learning in a Data Structures Class  
*Resch, C., Gardner-McCune C., & Kapoor A.*  
<https://peer.asee.org/37651>
- [C7] ACM SIGCSE 20 Exploring the Participation of CS Undergraduate Students in Industry Internships  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3328778.3366844>
- [C6] ACM ACE 20 Barriers to Securing Industry Internships in Computing  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3373165.3373181>

- [C5] ACM ITiCSE 19 Understanding CS Undergraduate Students' Professional Identity through the lens of their Professional Development  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3287324.3287408>
- [C4] ACM SIGCSE 19 Understanding CS Undergraduate Students' Professional Development through the Lens of Internship Experiences  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3287324.3287408>
- [C3] ACM ITiCSE 18 Modelling Competencies for Computing Education beyond 2020: A Research Based Approach to Defining Competencies in the Computing Disciplines  
*Frezza, S., Daniels, M., Pears, A., Cajander, Å., Kann, V., Kapoor, A., McDermott, R., Peters, A.K., Sabin, M. & Wallace, C.*  
<https://doi.org/10.1145/3293881.3295782>
- [C2] ACM ITiCSE 18 Considerations for Switching: Exploring Factors behind CS Students' Desire to Leave a CS Major  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3197091.3197113>
- [C1] ACM SIGCSE 18 Understanding Professional Identities and Goals of Computer Science Undergraduate Students  
*Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3159450.3159474>

## DOCTORAL CONSORTIUM


- [D1] ACM ITiCSE 19 A Grounded Theory of Computing Professional Identity Formation  
*Kapoor, A.*  
<https://doi.org/10.1145/3304221.3325598>

## REFEREED SHORT CONFERENCE PAPERS

- [SC4] ACM CompEd 23 Where's the Data? Exploring Datasets in Computing Education.  
*Kiesler, N., Impagliazzo, J., Biernacka, K., Kapoor, A., Kazmi, Z., Ramagoni, S.G., Sane, A., Tran, K., Taneja, S. and Wu, Z.*  
<https://doi.org/10.1145/3617650.3624951>
- [SC3] ACM ITiCSE 22 Eliciting Course Feedback through a Bug Bounty Program  
*Kapoor, A., Penton, A., and Pierpont, H.*  
<https://doi.org/10.1145/3502717.3532159>
- [SC2] ACM ITiCSE 21 Introducing a Technical Interview Preparation Activity in a Data Structures and Algorithms Course  
*Kapoor, A., and Gardner-McCune, C.*  
<https://doi.org/10.1145/3456565.3460033>
- [SC1] ACM ITiCSE 18 Modeling Global Competencies for Computing Education  
*Frezza, S., Pears, A., Daniels, M., Kann, V., Kapoor, A., McDermott, R., Peters, A.K., Wallace, C., Sabin, M. and Cajander, Å.*  
<https://doi.org/10.1145/3197091.3205844>

## REFEREED POSTERS

- [P6] ACM SIGCSE 24 Understanding Undergraduate Students' Participation in Computing Clubs  
*Nelson, B., Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1145/3626253.3635394>

- [P5] UXPA 19 Understanding Aspiring UX Professionals' Professional Development.  
**Kapoor, A., & Gardner-McCune, C.**
- [P4] ACM SIGCSE 19  Deconstructing Successful and Unsuccessful Computer Science Undergraduate Interns  
**Kapoor, A.**  
<https://doi.org/10.1145/3287324.3293711>
- [P3] ACM IVA 18 Assessing the Impact of Virtual Human's Appearance on Users' Trust Levels.  
*Zalake, M., Woodward, J., Kapoor, A. and Lok, B.*  
<https://doi.org/10.1145/3267851.3267863>
- [P2] IEEE VL/HCC 18 Usability Challenges that Novice Programmers Experience when Using Scratch for the First Time.  
*Jimenez, Y., Kapoor, A., & Gardner-McCune, C.*  
<https://doi.org/10.1109/VLHCC.2018.8506560>
- [P1] ACM SIGCSE 18 Understanding How Computer Science Undergraduate Students are Developing their Professional Identities  
**Kapoor, A., & Gardner-McCune, C.**  
<https://doi.org/10.1145/3159450.3162322>

## REFEREED DEMOS

- [X1] ACM SIGCSE 25 Edugator: An AI-enabled Tool for Creating and Delivering Interactive Computing Content  
*Diaz, M., Karp, D., Tuli, P. & Kapoor, A.*  
<https://doi.org/10.1145/3641555.3705025>  
<https://edugator.app/>

## PAPER PRESENTATIONS

- |        |                               |   |        |
|--------|-------------------------------|---|--------|
| [Pr11] | SIGCSE 23, Online             | Logistics, Affordances, and Evaluation of Build Programming: A Code Reading Instructional Strategy                | Mar 23 |
| [Pr10] | SIGCSE 23, Online             | Modeling Determinants of Undergraduate Computing Students' Participation in Internships                           | Mar 23 |
| [Pr9]  | Koli Calling 22, Online       | Categorizing Research on Identity in Undergraduate Computing Education  | Nov 22 |
| [Pr8]  | ITiCSE 22, Online             | Eliciting Course Feedback through a Bug Bounty Program  | Jul 22 |
| [Pr7]  | ITiCSE 21, Online             | Introducing a Technical Interview Preparation Activity in a Data Structures and Algorithms Course                 | Jul 21 |
| [Pr6]  | SIGCSE 20, Online             | Exploring the Participation of CS Undergraduate Students in Industry Internships                                  | Mar 20 |
| [Pr5]  | ACE 20, Melbourne, Australia  | Barriers to Securing Industry Internships in Computing  | Feb 20 |
| [Pr4]  | ITiCSE 19, Aberdeen, Scotland | Understanding CS Undergraduate Students' Professional Identity through the lens of their Professional Development | Jul 19 |
| [Pr3]  | SIGCSE 19, Minneapolis, USA   | Understanding CS Undergraduate Students' Professional Development through the Lens of Internship Experiences      | Mar 19 |
| [Pr2]  | ITiCSE 18, Larnaca, Cyprus    | Considerations for Switching: Exploring Factors behind CS Students' Desire to Leave a CS Major                    | Jul 18 |
| [Pr1]  | SIGCSE 18, Baltimore, USA     | Understanding Professional Identities and Goals of Computer Science Undergraduate Students                        | Feb 18 |

## POSTER PRESENTATIONS

|       |                               |  |        |
|-------|-------------------------------|--|--------|
| [Ps4] | ITiCSE 19, Aberdeen, Scotland | A Grounded Theory of Computing Professional Identity Formation   | Jul 19 |
| [Ps3] | UXPA 19, Scottsdale, USA      | Understanding Aspiring UX Professionals' Professional Development                                      | Jun 19 |
| [Ps2] | SIGCSE 19, Minneapolis, USA   | Deconstructing Successful & Unsuccessful Computer Science Undergraduate Interns                        | Mar 19 |
| [Ps1] | SIGCSE 18, Baltimore, USA     | Understanding How Computer Science Undergraduate Students are Developing their Professional Identities | Feb 18 |

## OTHER PRESENTATIONS/TALKS/CREATIVE WORKS

|       |  |   |        |
|-------|--|---|--------|
| [T14] | Dagstuhl Seminar 25311 - Generative AI in Programming Education    | EduGator: An LLM-enabled Tool for Interactive Computing Content [Invited Talk]  | Jul 25 |
| [T13] | UF Student Science Training Program (SSTP)                         | EduGator: An AI-enabled Tool for Learning Computing Content using Active Learning [Invited Talk]  | Jul 25 |
| [T12] | AI Day's Lightning Talk, UF  | EduGator: An AI-enabled Tool for Creating and Delivering Interactive Computing Content  | Oct 24 |
| [T11] | UF Student Science Training Program (SSTP)                         | Don't get stuck. Imagine, Explore, Do! – Opportunities for Exploring Computing [Invited Talk]   | Jul 23 |
| [T10] | TechByte, UF Information Technology                                | Streamline Grading with Gradescope<br><i>Maness, Heather, Sharp, C., Cruz Castro, L. &amp; Kapoor, A.</i>   | Apr 23 |
| [T9]  | ACM SIGCSE 2023  | Spiffy Peer Instruction Questions, Special Session – Peer Instruction Question on Data Structures and Algorithms  | Mar 23 |
| [T8]  | ACM COMPUTE Conference, Delhi, India                               | Introducing a Technical Interview Preparation Activity in a Data Structures and Algorithms Course [Invited Talk]  | Nov 21 |
| [T7]  | Cross Cultural Engineering Seminar, UF and Kyoto University        | Human-Centered Design Seminar - Creating Cross Cultural Solutions in Service of People: Using the Human Centered Design Process to Meet the Need of a User<br><i>Goncher, A. &amp; Kapoor, A.</i> | Oct 21 |
| [T6]  | The UF Faculty and Staff Symposium, Career Connections Center, UF  | Lessons from Students Experiences Outside of the Classroom<br><i>Gardner-McCune, C., &amp; Kapoor, A.</i>   | Mar 20 |
| [T5]  | Emerging Leaders in Science Policy & Advocacy Memo 19              | Establishing a K-12 AI Teacher Training Program in Florida via Public-Private Partnerships<br><i>Rader, P., Walther, A., &amp; Kapoor, A.</i>   | Apr 19 |
| [T4]  | Future of Florida Summit, Bob Graham Center for Public Service, UF | Bus to Success: Using Spatial Econometrics to Reduce Poverty in Gainesville, Florida  | Feb 19 |
| [T3]  | CMU LearnLab Summer School 18                                      | Categorizing and Predicting Learners in an Introductory Programming Course offered through Open-Learning Initiative   | Aug 18 |
| [T2]  | 13th Annual Conference of Social Sciences, UF                      | Understanding How Computer Science Undergraduate Students are Developing their Professional Identities  | Apr 18 |
| [T1]  | Graduate Student Research Day, UF                                  | Understanding How Computer Science Undergraduate Students are Developing their Professional Identities  | Apr 18 |

## SERVICE (REVIEWING ACTIVITY)

Associate Program Chair,

|   |        |
|---|--------|
| ACM SIGCSE Conference 2025: <i>Posters Track</i>                        | Nov 24 |
| ACM SIGCSE Conference 2024: <i>Posters Track</i>                        | Oct 23 |
| ACM SIGCSE Conference 2022: <i>Experience Reports &amp; Tools Track</i> | Sep 21 |

Invited Reviewer,

|  |  |
|--|--|
| ACM Conference on International Computing Education Research (ICER 2025) | Apr 25   |
| Taylor & Francis, Computer Science Education Journal                     | Jan 24, Dec 24, Oct 25   |
| ACM CHI Conference 2024: <i>Research Paper Track</i>                     | Oct 23   |
| Research in Science & Technological Education Journal                    | Nov 22, Sep 22   |
| ACM Transactions on Computing Education (TOCE) Journal                   | Sep 20, Feb 21, Aug 21, Jan 22, Feb 23, Mar 24, Mar 25, Sep 25 |
| ACM Interaction Design and Children (IDC) 2021 Conference                | Feb 21   |
| ACM CHI Conference 2021: <i>Late Breaking Works</i>                      | Jan 21   |

Reviewer,

|   |                                |
|---|--------------------------------|
| ACM Koli Calling Conference                                 | Aug 25                         |
| ACM SIGCSE Conference                                       | Aug 18, Oct 19, Sep 20, Oct 21 |
| ACM ITiCSE Conference                                       | Mar 19, Jan 21, Jan 22         |
| CCSC Northwestern Regional Conference                       | Jul 21                         |
| Graduate Student Council, UF: <i>Travel Grants</i>          | Nov 17, Mar 18, Nov 18, Nov 19 |
| UXPA (User Experience Professionals Association) Conference | Nov 18                         |

## SERVICE (UNIVERSITY)

|  |                |
|--|----------------|
| Invited Reviewer, 2025 UF Career Influencer Awards, Career Connections Center, UF            | Apr 25         |
| Southern Association of Colleges and Schools (SACS) Accreditation Chair, CISE Department, UF | Aug 23-Jun 25  |
| Member, Career Connections Center Advisory Committee, UF                                     | Sep 22-Present |
| Instructional Faculty Search Committee Member, CISE Department, UF                           | Mar 23-Jun 25  |
| Assessments Committee Member, Engineering Education Department, UF                           | Aug 22-Present |
| Faculty Advisor, Quant Club, UF  | Aug 23-Present |
| Faculty Advisor, Software Engineering Club, UF   | Aug 21-Present |
| Marshal, College of Engineering Commencement   | May 23, May 24 |
| Invited Judge, WiNGHacks Hackathon, UF   | Apr 24         |
| Invited Judge, 2024 Affordable Access Award, Center for Teaching Excellence, UF              | Mar 24         |
| Faculty Search Committee Member, Engineering Education Department, UF                        | Apr 23-Aug 23  |
| SACS Accreditation Coordinator, CISE Department, UF  | Aug 22-Jul 23  |
| Invited Judge, Swampacks Hackathon, UF   | Jan 22         |
| Curriculum Committee Member, Engineering Education Department, UF                            | Aug 20-Jul 22  |

## SERVICE (CONFERENCES)

|   |                |
|---|----------------|
| Junior Chair of Affiliated Events, ACM SIGCSE 2026 Conference                                 | Mar 25-Present |
| Session Chair, ACM ITiCSE 2025 Conference   | Jul 25         |
| Co-Chair, Posters, Panels and Tips, Techniques & Courseware Track, ACM ITiCSE 2025 Conference | Aug 24-Jul 25  |
| Session Chair, ACM SIGCSE TS Conference   | Mar 24, Feb 25 |
| Senior Chair of Evaluations, ACM SIGCSE 2024 Conference                                       | Jul 23-Jul 24  |
| Junior Chair of Evaluations, ACM SIGCSE 2023 Conference                                       | Apr 22-Jun 23  |
| Session Chair, RESPECT 2020 Conference  | Mar 20         |



|  |               |
|--|---------------|
| Session Runner, PyCon 2018 Conference, Cleveland                           | May 18        |
| Evaluation Chair, Florida Society of Social Sciences Annual Conference, UF | Aug 17-Apr 18 |
| Volunteer, SIGCSE 2018 Conference, Baltimore, Maryland                     | Feb 18        |

## SERVICE (OTHERS)

|   |               |
|---|---------------|
| Co-Lead and member, Software & GUI Team, Gatorloop, UF                                  | Jul 19-Nov 19 |
| Co-Treasurer, Florida Society of Social Sciences, UF                                    | May 18-Apr 19 |
| Organizing Committee Member, HCC Department Monthly Meetings, UF                        | Aug 17-Nov 18 |
| Curriculum Board Advisor for UF TYPE Initiative (Teaching Youth Programming Essentials) | Aug 17-Dec 17 |
| Employer Relations Ambassador, Career Resource Center, UF                               | Aug 15-May 16 |
| Lead Creative, Google Student Community, JUET, India                                    | Jul 13-Jun 14 |

## UNDERGRADUATE RESEARCH MENTORING (BY PROJECTS)

|   |   |
|---|---|
| [M16] Technical Interview Course Development and Assessment<br><i>Anthony Perez</i>   | May 25-Present  |
| [M15] Fostering Student Participation in Experiential Learning<br><i>Edward Arzoumanov</i>  | May 25-Present  |
| [M14] Evaluating the efficacy of mock interviews in Data Structures course<br><i>Shobha Ratnam Priya</i>  | Aug 24-Dec 24   |
| [M13] WiNG.it - Behavioral Interview Preparation<br><i>Rachel Pu</i><br><i>Chelsea Nguyen</i>   | Aug 24-Present<br>Aug 24-Present  |
| [M12] Help-seeking behaviors of students that attend drop-in tutoring for CISE courses<br><i>Esse Ciego</i><br><i>Skyler Steiert</i>  | Aug 24-Jul 25<br>Aug 24-Jul 25  |
| [M11] Predicting Student Participation in Industry Internships<br><i>Tonuka Sultan</i><br><i>Saahil Verma</i><br><i>Jason Tolen</i><br><i>Jahnvi Tripathi</i><br><i>Daniel Lipszyc</i><br><i>Kristen Moy</i><br><i>Divya Verma</i><br><i>Wyatt Harris</i> | May 25-Present<br>May 25-Present<br>May 25-Present<br>May 25-Present<br>May 25-Present<br>Jan 24-Jul 25<br>Jan 24-Jul 25<br>Jan 24-Jul 25 |
| [M10] Assessing student needs and misconceptions in Data Structures courses<br><i>Emily Jiji</i>  | Aug 23-Dec 23   |
| [M9] Skillbit: Platform for hosting Web Development related Technical Interviews<br><i>David Noguera</i><br><i>Daniel Lai</i><br><i>Tyler Haisman</i><br><i>Blake Rand</i><br><i>Matthew Jung</i>   | Aug 23-Apr 25<br>Aug 23-Apr 25<br>Aug 23-Apr 25<br>Aug 23-Apr 25<br>Aug 23-Dec 23   |
| [M8] Developing Open Educational Resources for Technical Interviews<br><i>Meaghan Estrada</i><br><i>Matthew DeGuzman</i>  | Jan 23-May 23<br>Jan 23-May 23  |
| [M7] Identifying and nudging at-risk students in computing courses<br><i>Adrien Chen</i><br><i>Matthew Marchio</i>  | Aug 22-May 24<br>Aug 22-Dec 22  |

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|------|---|--|
| [M6] | Evaluating Technical Interview Preparation Activities [ <a href="#">C11</a> ]<br><i>Sajani Panchal</i>  | May 22-Apr 23  |
| [M5] | Build Programming: an instructional strategy for scaffolding code reading [ <a href="#">C12</a> ]<br><i>Leon Kwan</i><br><i>Tianwei Xie</i>   | Jan 22-Mar 23<br>Jan 22-Mar 23   |
| [M4] | Edugator: Platform for running short programming problems [ <a href="#">C13</a> ]<br><i>Joseph Hardin</i><br><i>Daniel Lai</i><br><i>Blake Rand</i><br><i>Matthew Jung</i><br><i>Dustin Karp (2025 CISE Distinguished Alumni Award for Entrepreneurship)</i><br><i>Marc Diaz (2023 Career Influencer Award – Community Category)</i><br><i>Maeloni Pompilio</i><br><i>Kunyao Wang</i> | May 21-Jun 23<br>Jan 23-Apr 23<br>Jan 23-Apr 23<br>Jan 23-Apr 23<br>Aug 22-Apr 23<br>May 21-Dec 21<br>Aug 22-Dec 22<br>May 21-Aug 21 |
| [M3] | Eliciting Course Feedback through a Bug Bounty Program [ <a href="#">SC3</a> ]<br><i>Andrew Penton</i><br><i>Hamish Pierpont</i>  | Aug 21-Dec 21<br>Aug 21-Dec 21   |
| [M2] | CSEd@Clubs: An ethnographic investigation of students' learning in Computing Clubs [ <a href="#">P6</a> ]<br><i>Brooke Nelson</i><br><i>Charlie Hobson</i><br><i>Beatrice Villanueva</i>  | May 23-Mar 24<br>Jan 20-May 20<br>Aug 19-Dec 19  |
| [M1] | Modeling learners in an Introductory Programming Course<br><i>David Fussell</i>   | Nov 18-Oct 19  |

## SENIOR PROJECTS SUPERVISED

|       |  |               |
|-------|--|---------------|
| [S26] | Collect-A-Gator<br><i>Aarti Kalamangalam, Emily Lu, Gabriel Isenberg, Karen Tong, Lauren Escarcha</i>  | Jan 25-Apr 25 |
| [S25] | Indeq: A Private Data Search Engine for Students<br><i>Chung To, Alan Patrick Lapid, Xian Zhang, Alex Lin, Amay Patel</i>  | Jan 25-Apr 25 |
| [S24] | Boshi: An Anonymous Social Media Platform Built on the At Protocol<br><i>Alex Eum, Matthew Deguzman</i>  | Jan 25-Apr 25 |
| [S23] | MakeCents: A No-Stress Budgeting & Spending Tracker That Actually Makes Cents<br><i>Elisa Arenas, Santiago Barrios, Carolina Boitel, Andrea Sanchez, Megan Shah</i>          | Jan 25-Apr 25 |
| [S22] | Hydration<br><i>Prayuj Tuli, Ty Halpen</i>   | Aug 24-Dec 24 |
| [S21] | Balance Buddy<br><i>Sofia Celestrin, William Garcia, Lindsey Hannah, Alex Hu</i>   | Aug 24-Dec 24 |
| [S20] | Gator Library: E-learning Video Platform<br><i>Robert Fontan, Aryan Talekar, Sammy Masri, Neha Kallamvalli</i>   | Jan 24-Apr 24 |
| [S19] | Prettier-er: A Customizable Prettier VS Code Plugin for improving Code Quality<br><i>Adrien Chen, Lauren Bartyczak, Joshua Hughes, Sajani Panchal, and Syed Abbas Shah</i>   | Jan 24-Apr 24 |
| [S18] | The DSA Duckies – Guppie Grader: Using LLMs to grade project code analysis reports.<br><i>Kevin Allen, Benjamin (Benny) Cortese, Alexander (Alex) Duffaut, Yair Temkin</i>   | Jan 24-Apr 24 |
| [S17] | VAC.JS: utility tools for assessments and improving accessibility in e-learning<br><i>Alyssa LaSalle, Colbi Hopkins, Jenny Evans, Samantha Barthelemy, Valentina Aguilar</i> | Aug 23-Dec 23 |
| [S16] | ParticiGator: Web and mobile platform for promoting and assessing engagement in CISE discussions<br><i>Julia Harbord, Robin Fintz, Andrew Penton</i>                         | Jan 23-Apr 23 |
| [S15] | Metraverse: Tool to develop self-regulation in students via nudge techniques   | Jan 23-Apr 23 |

*Cameron Kozlin, Daniel Lewis, Parker Romero*

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| [S14] | EduGator: Study Guide Enhancements<br><i>Maggie Tieu, Kattrina Erillo, Vida Tonkova</i>   | Jan 23-Apr 23 |
| [S13] | EduGator: Multi-Language Programming Support<br><i>Nitin K. Ramadoss, Herman A. Gonzalez, Jose A. Cabrera</i>   | Jan 23-Apr 23 |
| [S12] | Webosity: Platform for learning Web Fundamentals<br><i>Maanasi Vadlamani, Emily Kelsey, Chris Henesy</i>  | Aug 22-Dec 22 |
| [S11] | Modeling Determinants of Securing Industry Internships in Computing [C10]<br><i>Megan Wolf</i>  | Jan 22-Apr 22 |
| [S10] | MediaTrackerr A Web Application for Storing Book Media Inventory and Information<br><i>Sijia Li, Jada Allen, Emily Arnold, David Rowe, and Daniel Giampaolo</i> | Jan 22-Apr 22 |
| [S9]  | Gator.sol – Blockchain Education Senior Project<br><i>Colin Naehr, Jack Driscoll, Kyle Strout, and Connor Wilson</i>  | Jan 22-Apr 22 |
| [S8]  | EduGator Database Migration and Template Generation<br><i>John Dillon, Lindsay Dobrie, Jahdiel Suarez, Andrew Whigham, and Abdullah Yuksel</i>                  | Jan 22-Apr 22 |
| [S7]  | Interactive, WYSIWYG Learning Content on the EduGator Platform<br><i>Robert McAdam and Dominik Andrzejczyn</i>  | Jan 22-Apr 22 |
| [S6]  | EduGator Admin: Coding Problem Management and Grading Application<br><i>Marc Diaz, Tanner Ropp, Hamish Pierpont, Dhruv Patel, Josh Dargan, Adrian Salazar</i>   | Aug 21-Dec 21 |
| [S5]  | GatorNexus: A Tool for Visualizing Computing Internships<br><i>Abinai Pasunuri, Roberto Pantoja Bacallao, and Ricardo Golac Barriga</i>                         | Jan 21-Apr 21 |
| [S4]  | Creating Connections: Testing Virtual Reality in Classroom Interaction<br><i>Joseph Gravelle, Caleb Steinmetz, Andrew Helms, Kiara Kubo, and Valerie Prater</i> | Jan 21-Apr 21 |
| [S3]  | A Smart Blocker for Flexible YouTube Distraction Blocking<br><i>George Kolasa</i>   | Jan 21-Apr 21 |
| [S2]  | Interactive Battleship Game<br><i>Peyton Marinelli, Mark Lawrence, Alexis Vega, Michael Wollenhaup, and Fouad Diff</i>  | Jan 21-Apr 21 |
| [S1]  | Modeling CS Identities to Determine Employability in Industry Internships [C10]<br><i>Charlie Hobson</i>  | Aug 20-Dec 20 |

## UNDERGRADUATE HONORS THESIS

|       |   |        |
|-------|---|--------|
| [H12] | Where We're Going, We Don't Need Modes: Design and Application of the Lilypad Code Editor<br><i>Liam Rosenfeld</i>                            | Apr 25 |
| [H11] | Exploring Student Perceptions on Student-Created Review Videos in Early Computing Courses<br><i>Christopher Tressler</i>                      | Apr 25 |
| [H10] | Hive Mind: A Proposed Open-Source Metaverse Platform Enforcing Environmental and Collaborative Aspects of XR<br><i>Chase Hap</i>              | Apr 25 |
| [H9]  | Rethinking Technical Interviews: A Proof-of-Concept for AI-Powered Candidate Assessment<br>(Chair)<br><i>Tyler Haisman</i>                    | Apr 25 |
| [H8]  | Augmented Reality in Public Safety: Exploring Spatial Cognition with HoloLens2 for Enhanced First Responder Coordination<br><i>Haohui Bao</i> | Apr 24 |
| [H7]  | GitHub in the Classroom: Exploring Documentation Enhancement Through Hands-On Experience (Chair)<br><i>Sara Osmanovic</i>                     | Apr 24 |

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|------|---|--------|
| [H6] | Nudge Reminder - Investigating the Efficacy of Nudge Emails on Student Performance<br>(Chair)<br><i>Adrien Chen</i>                   | Apr 24 |
| [H5] | Simulating Material Removal of Magnetic Field-Assisted Finishing<br><i>Dylan Rautenstrauch</i>  | Apr 24 |
| [H4] | Unveiling the Pedagogical Potential of ChatGPT: A Comprehensive Study in UF's CISE Dept.<br><i>Christina Kohlbeck</i>                 | Apr 24 |
| [H3] | Optimal supervised reduction of high dimensional feature spaces in cancer transcriptomics<br><i>Richard Bailey</i>                    | Apr 23 |
| [H2] | STEM DAO: The future of STEM education (Chair)<br><i>Relly Valentine</i>  | Dec 22 |
| [H1] | Analyzing the Impact of Homework Submission Times on Student Performance in an Introductory Programming Course<br><i>Samia Gilani</i> | Dec 21 |

## INDIVIDUAL STUDIES SUPERVISED / OTHER COURSES

|      |   |        |
|------|---|--------|
| [02] | L3Harris Technologies Internship UF Advisor<br><i>Alexia Martin</i>     | Dec 21 |
| [01] | UF Otolaryngology Patient Education Application<br><i>Dhrubo Mondal</i> | Apr 21 |

## WORKSHOPS/WORKING GROUPS

|  |        |
|--|--------|
| Selected for CRA Level Up Workshop on managing rising enrollments in computing, Atlanta, Georgia                         | Sep 23 |
| Selected for Peer instruction workshop, University of Michigan   | Jun 22 |
| Selected for Bridges Data Structures Summer workshop, University of North Carolina, Charlotte                            | May 22 |
| Selected for the Peer Teaching Summit, ACM SIGCSE 2022   | Mar 22 |
| Completed the <i>First Year Faculty Teaching Academy Workshop</i> , UF   | Aug 21 |
| Co-led the <i>Introduction to GUI Workshop</i> , Gatorloop, UF   | Sep 19 |
| Led the <i>Resume and CV workshop</i> , Intelligent Multimodal Human-Computer Interaction for Undergraduates Program, UF | Jul 19 |
| Selected for SIGCSE '19 workshop, <i>Integrating accessibility into Computer Science</i>                                 | Feb 19 |
| Selected for Working Group, Future of Florida Summit '19: The Bob Graham Center for Public Service, UF                   | Feb 19 |
| Selected for Working Group, <i>Modeling Global Competencies for Computing Education</i> , ITiCSE '18                     | Jun 18 |

## PANELS

|   |        |
|---|--------|
| Invited Panelist, <i>Career Opportunities in Industry &amp; Academia</i> , eSwamp by Society of Women Engineers, UF         | Aug 25 |
| Invited Panelist, <i>Leadership, community, &amp; innovation in engineering</i> , 2024 Flagship Leadership Summit, UF       | Oct 24 |
| Invited Panelist, <i>Understanding How UF is Preparing Students for Tomorrow's Workforce</i> , Career Connection Center, UF | Jun 24 |
| Invited Panelist, <i>Forming our Identities through Networking and Development</i> , UF                                     | Aug 22 |
| Panelist, <i>Cross-Cultural Education in Engineering</i> , SwampCon 2021, Florida   | May 21 |
| Invited Panelist, <i>HCI jobs in Academia</i> , Human-Centered Computing, UF  | Apr 21 |
| Invited Panelist, <i>Prospects of New Technologies during Pandemic Situation</i> , Jaypee University, India                 | Jun 20 |
| Invited Panelist, <i>Perspectives on Grad School: A Panel Discussion</i> , Career Connection Center, UF                     | Oct 19 |
| Invited Panelist, <i>Student Leadership Panel</i> , Career Success Institute (CSI), UF                                      | Oct 19 |
| Panelist, <i>Internships in Human-Centered Computing</i> , Human-Centered Computing, UF                                     | Apr 19 |

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| Moderator, <i>When I was a Grad Student...</i> , Human-Centered Computing Group, UF                  | Nov 18 |
| Invited Panelist, <i>Student Experiences in Graduate School</i> , Engg. Graduate Student Council, UF | Aug 18 |

## **GUEST LECTURES**

|   |        |
|---|--------|
| Moving the Needle: Harnessing Data to Drive Teaching, CS Teaching and Learning                  | Nov 24 |
| Introduction to Standard Template Library and Constructs in C++, Data Structures and Algorithms | Jun 18 |