

Sungwook Moon

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Gainesville, FL 32603

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Objective	To obtain a summer internship position in 2010.	
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Education	Ph.D. student in Computer Science University of Florida (Adviser: Dr. Ahmed Helmy) Passed the written qualifying exam in Spring 2007.	Aug 2006 - Current Gainesville, Florida
	M.S. in Computer Science University of Florida	May 2006 Gainesville, Florida
	B.S. in Computer Science Sogang University	Dec 2003 Seoul, South Korea

Experience	Research Assistant University of Florida (Adviser: Professor Ahmed Helmy) <ul style="list-style-type: none">Developed a program to display the mobile network users on Google Earth based on GPS location processed from campus wireless LAN trace.Researching about cost-effective data bundle delivery for mobile devices (e.g. PDA) in short-range communication using human encounter pattern under delay tolerant networks.	Jun 2007 - Current
	Teaching Assistant University of Florida <ul style="list-style-type: none">CGS2531 Problem solving using computer software: instructor of Microsoft office class, responsible for 80 students from business department.CNT5106 Computer Networks (Dr. Ahmed Helmy): designed two network experiments (WLAN measurement, trace analysis), and graded exams.CGS 3460 Programming using C (Dr. Rong Zhang): graded assignments, exams and projects; tutored students; earned "better than required" (highest evaluation).	Spring 2009 Fall 2008 Spring 2007
	Graduate Assistant University of Florida <ul style="list-style-type: none">Tutored undergraduate students for various undergraduate CS courses.	Fall 2006

Database Administrator

Jan – Jul 2005

University of Florida (Supervisor: Professor Sem Lampotang)

- Built a web-based survey and analysis system, and managed a database of more than 10000 medical doctors for the Virtual Anesthesia Machine in the department of anesthesiology at UF.

Software Engineer

Jan – May 2004

Corporate Technology Office, Samsung Electronics
Seoul, South Korea

- Developed, debugged and tested APIs of the embedded control browser for digital TV
- Enrolled in a PSP (Personal Software Process improvement) to reduce the number of bugs per line in programming.

Awards

- Student travel grant (\$1000) for attending IEEE SECON conference, awarded by the IEEE Communications Society, Jun 2008
- Travel grant (\$250) for attending IEEE SECON conference, awarded by the Office of Research and Graduate Program, University of Florida, Jun 2008
- Army Commendation Medal (highest honor for Korean soldiers attached to the US Army), awarded by the 1st Signal Brigade, 8th US Army, Dec 2001

Publications

- **Sungwook Moon**, Udayan Kumar, Jeeyoung Kim, Wei-Jen Hsu, Ahmed Helmy, “*Visualization and representation of mobile network users*”, demo presentation at IEEE SECON, Jun 2008, invited by the demo chair and published in IEEE explorer.
- Udayan Kumar, **Sungwook Moon**, Wei-Jen Hsu, Ahmed Helmy, “*Visualization and representation of mobile network users*”, demo presentation at IEEE INFOCOM, Apr 2008
- Sem Lampotang, **Sungwook Moon**, David E. Lizdas, Jeffrey M. Feldman, Rensheng Zhang, “*Anesthesia machine pre-use check survey*”, poster presentation at American Society of Anesthesiologists 2005 annual meeting, October 2005

**Document
in
preparation**

- **Sungwook Moon**, Ahmed Helmy, “*The relationship between regular/irregular encounter pattern and delivery probability of data bundles in the delay tolerant networks*”

Graduate Courses Wireless mobile networks design and analysis, Mobile computing, Advanced computer networks, Computer networking, Operating systems principles, Computer architecture principles, Programming language principles, Analysis of algorithms, Advanced data structures, Database systems, Data mining, Software Engineering, Fundamentals of probability and Advanced computer networks.

Skills **Languages:** C++, C, Java, Assembly, PHP, ASP
Programming: Firmware and middleware, socket, client-server programming, Bluetooth communication, Windows Mobile 5.0 programming
Tools: Visual studio, Rational rose, Net Beans, Eclipse, Knopflerfish, Ponyprog, MySQL,

References Dr. Ahmed Helmy
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Dr. Sem (Samsun) Lampotang
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(Other references available upon request)