

# Hyunggu Jung

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## Education

Sep. 2010 - present	<b>Stanford University</b> Candidate for Master of Science in Computer Science <ul style="list-style-type: none"><li>M.S. expected in June 2012</li></ul>	Stanford, CA
Sep. 2008 - Aug. 2010	<b>University of Waterloo</b> M.Math in Computer Science <ul style="list-style-type: none"><li>Thesis: reasoning about benefits and costs of interaction with users in real-time decision-making environments with application to healthcare scenarios</li></ul>	Waterloo, ON Canada
Mar. 2001 - Aug. 2008	<b>Korea Advanced Institute of Science and Technology (KAIST)</b> B.S. in Computer Science with a minor in Business Economics	Daejeon, Korea

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## Work Experience

Sep. 2010 - present	<b>Stanford Center for Biomedical Informatics Research</b> <i>Research Assistant</i> <ul style="list-style-type: none"><li>Implementing methods for developing a coherent set of treatment recommendations for a patient who has multiple comorbidities based on multiple guidelines and on generic medical knowledge</li></ul>	Stanford, CA
Sep. 2008 - Aug. 2010	<b>Artificial Intelligence Lab, University of Waterloo</b> <i>Research Assistant</i> <ul style="list-style-type: none"><li>Designed reasoning models for finding the right doctor in hospital emergency settings with real-time aspects and dynamic environments</li><li>Worked as a part of the Theme 1 team of the Healthcare Support through Information Technology Enhancement (hSITE) Strategic Networks of Research project</li></ul>	Waterloo, ON Canada
May 2009 - Apr. 2010	<b>Math Faculty Computing Facility (MFCF), University of Waterloo</b> <i>Unix Consultant, Help Center</i> <ul style="list-style-type: none"><li>Helped students and professors use Waterloo's computer infrastructure by responding to questions in a help-desk environment</li></ul>	Waterloo, ON Canada
Dec. 2005 - Feb. 2006	<b>Brainzsquare, Inc.</b> <i>Intern, Developing Division</i> <ul style="list-style-type: none"><li>Developed a solution for desktop management system (DMS) to supervise PCs with senior developers by C++ language for IT infra-management</li></ul>	Seoul, Korea
June 2003 - Sep. 2005	<b>Republic of Korea Fire and Disaster Management Department</b> <i>Fireman, Seobu Fire Station</i> <ul style="list-style-type: none"><li>Worked for call-receiving service for 119 (911 in North America) Rescue and First-aid Service</li><li>Developed a fire-training simulation using a 3D Virtual Reality technique</li></ul>	Seoul, Korea

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## Honors and Awards

- Travel Grant, Canadian Conference on Artificial Intelligence (2010)
- International Masters Student Award, University of Waterloo (2008- 2010)
- Humanity Scholarship, KAIST (2008)

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## Selected Publications

- Robin Cohen, [Hyunggu Jung](#), Michael Fleming, and Michael Y.K. Cheng. "User Modeling Approach for Reasoning about Interaction Sensitive to Bother and Its Application to Hospital Decision Scenarios," Special Issue on Personalization in e-Health User Modeling and User-Adapted Interaction: The Journal of Personalization Research, November 2010.
- [Hyunggu Jung](#) and Robin Cohen, "Model for Reasoning about Interaction with Users in Dynamic, Time Critical Environments for the Application of Hospital Decision Making," In Proceedings of the 23rd Canadian Conference on Artificial Intelligence (AI10), May 2010.

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## Skills and Additional Information

- Languages: English(Fluent), Korean(Native)
- Computer Skills: C/C++, Python, Java, JavaScript, Scheme, MATLAB, Maple

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## Extracurricular Activities

July 2008 - Aug. 2008	<b>Korea Internet Volunteer</b> <i>Instructor, Ministry of Education</i> <ul style="list-style-type: none"><li>Taught Java programming language, conducted seminars for advanced information technology, and introduced Korean culture with calligraphy</li></ul>	St. George's, Grenada
Mar. 2007 - Feb. 2008	<b>KAIST Dormitory Association</b> Dormitory Leader <ul style="list-style-type: none"><li>Educated and assisted incoming exchange students for settlement</li></ul>	Daejeon, Korea