

Jihoon Lee

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Education:

Brown University

Expected May.2012

M.S Computer Science

University of California, Irvine

June.2010

Bren School of Information and Computer Science. B.S Computer Science

Skill:

- Fluent in C, C++, Java, Intermediate in Python, Javascript, OpenGL/WebGL
- Experience with robotics projects
- Experience with projects involving multi-threading and distributed system
- Bilingual in English/Korean including reading and writing

Research:

“ROSProcessingjs”

Feb.2011 - Present

Interface for ROS using Javascript and Processingjs

ROS(Robot Operating System) is a large and sophisticated robot middleware system and Processingjs is a visual programming language for programming beginner. ROSProcessingjs is designed to allow users to program a robot controller using Processing language directly from web.

- Developed a protocol between ROS and Processingjs
- Wrote ROSProcessingjs Tutorial(<http://code.google.com/p/brown-ros-pkg/wiki/ROSProcessingjs>)
- Currently working on building 24/7 Web-based experiment house

“Fault Tolerant Distributed System”

Jun.2009 - Jun.2010

Undergraduate Researcher - UC Irvine

- Award: SURP(Summer Undergraduate Research Program) fellowship/grant

Work:

“PR2 Remote Lab”

May.2011 - Aug.2011

Research Engineer Intern - Bosch Research, Palo Alto CA

PR2-Remote Lab is a web-centered remote laboratory comprising a PR2 and the hardware/software infrastructure necessary for making it available for public Internet use. The lab is designed to allow a larger group of researchers on a PR2 robot. The internship required 3D graphics programming using WebGL, knowledge in robotics, and ROS.

- Maintained a web-based 3d robot visualization environment
- Developed front-end robot interaction tools
- Reference available upon request
- PR2 Remote Lab(<http://www.pr2-remotelab.com>)

Teaching:

“Introduction to Autonomous Robotics”

Sep.2011 - Dec.2011

Teaching Assistant - Brown University

- Course Website(<http://brown-robotics.org/cs148>)

Relevant Coursework:

Autonomous Robotics, Machine Learning, Computer Vision, Computer Graphics, Probability and Statistics

Activities:

Entrepreneur Society at UCI

Volunteer at Saturday school for handicapped/disabled

Calculus and Programming Tutor