

JOSHUA LUI

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EDUCATION

Cornell University, College of Engineering, Ithaca, New York
Major - Electrical and Computer Engineering
Minor - Computer Science
Expected Graduation - May 2013
Current GPA: 4.1/4.3
Dean's List – All Semesters

AWARDS

John G. Pertsch Prize – ranked second-highest (by GPA) in the ECE cohort

RESEARCH EXPERIENCE

Supervisor: Assistant Professor Ashutosh Saxena *January 2012 – Present*

- Created a structural inference and untangling algorithm for rope bodies
- Planned for submission to the IROS conference in 2013

Supervisor: Professor Rajit Manohar *August 2012 – Present*

- Developed a motion tracking system using an asynchronous camera as an independent project

WORK EXPERIENCE

Cornell Mars Rover Project Team, Ithaca, New York

Control Systems Member

August 2011 – Present

Control Systems Team Leader

August 2012 – Present

- Planned and led development of electrical and software systems for the rover platform
- 3rd place at the annual University Rover Challenge competition in Utah

Singapore Economic Development Board, Singapore

Project Officer, Electronics Division

June 2012 – August 2012

- Interviewed managers in leading chip design companies like Qualcomm and Intel
- Delivered recommendations for growing the electronics industry in Singapore

Student Agencies, Ithaca, New York

Big Red Shipping and Storage General Manager

October 2010 – December 2011

- Ran a business that generated \$350,000 in revenue, employing over 40 students to serve 1000 customers during the peak summer period
- Received the Seth Higby Award for the best manager performance of the year

OTHER EXPERIENCE

Singapore Armed Forces, Singapore

Platoon Commander

January 2008 - November 2009

- Led and managed a platoon of 28 in military trainings and evaluation exercises
- Awarded honors such as the Sword of Merit for outstanding military performance

SKILLS AND LANGUAGES

- Fluent in written and spoken Mandarin Chinese
- Proficient in Adobe Photoshop, Dreamweaver, Eclipse, Multisim, Cadence
- Programming Languages – Java, C#, C++, PHP, MySQL, MatLab, Python