
Philip Chung

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Education

Franklin W. Olin College of Engineering – Needham, MA

May 2011

Candidate for Bachelor of Science in Engineering – GPA: 3.4 / 4.0

- Four-year, full-tuition Olin Merit Scholarship
- Relevant Courses: Principles of Engineering, Engineering of Distributed Systems, Design for Manufacturing, Fundamentals of Machine Shop Operations, Introduction to Mechanical Prototyping, Computer Architecture, Robotics, Materials Science, Foundations of Business and Entrepreneurship, User Oriented Collaborative Design
- Served two years in the Selected Marine Corps Reserves while a full-time student Fall 2007 – Fall 2009

Top Projects

- With a group of friends, constructed a fully functional 80s-style arcade cabinet from scratch Fall 2009
- In a team of three, created a MIPS single-cycle CPU w/ immediate, jump, and register instructions (Verilog) Fall 2008
- In a team of four, designed and built a bio-inspired swimming apparatus mimicking the motion of a squid Fall 2007

University of Maryland University College, Asia – Okinawa, Japan

May 2006 – May 2007

- Completed 21 credits with a 4.0 GPA while on active duty with the United States Marine Corps

Skills

Fabrication: Waterjet Cutter, 2-Axis CNC Mill, Lathe, Rapid Prototyping, Casting, Sheet Metal, Composites, Bamboo

Computer: Microsoft Office, MATLAB, Simulink, Verilog, SolidWorks, COMSOL Multiphysics, LabVIEW, Python, Linux

Lab: Fourier Transform Infrared Spectrometer, X-Ray Diffractometer, Scanning Electron Microscope

Language: Proficient in Mandarin Chinese; basic knowledge of Japanese, Taiwanese, and Spanish

Experience

United States Marine Corps, Active Duty – Okinawa, Japan

September 2005 – June 2007

- Instructed and supervised ten personnel as a small-unit leader
- Accurately tracked over \$200 million worth of gear on the battalion's supply account
- Awarded the Military Outstanding Volunteer Service Medal

Other Work Experience

- Engaged guests as a Visitor Services Associate at the Boston Children's Museum Summer 2008
- Instructed children in engineering topics in a team-based, project-oriented summer camp Summer 2008

Volunteer Work – Okinawa, Japan; and Boston, MA

- Taught English to over 780 students at twelve Okinawan kindergartens and elementary schools June 2006 – May 2007
- Various activities in the Boston area, including working in soup kitchens, training with the Special Olympics, repairing bicycles, volunteering at a local science center, working on a community farm, designing lessons for schools, serving as a coordinator in Olin College's service organization... August 2007 – Present

Interests

- Completed solo bike tour from San Francisco to Los Angeles January 2009
- Lived in a small village, worked on a farm, and explored Ghana for nine weeks Summer 2009