

Henry Jordan

650-213-6928 • henryfjordan@gmail.com • <http://henryfjordan.duckdns.org>

EDUCATION

Loyola Marymount University, Los Angeles, CA

August 2014

Bachelor of Science in Engineering

Electrical Engineering with an Emphasis in Computer Engineering

RELATED COURSES

Operating Systems, Intro to VHDL, Motorola and x86 Assembly, Applied Differential Equations

WORK EXPERIENCE

Twill Tech, Menlo Park, CA

May – August 2012 and 2013, August 2014 – Present

Intern

- ◆ Took ownership of the development and testing of novel robotic systems
- ◆ Wrote code in Python, Javascript, and C for robot to physically respond to real-time sensor data
- ◆ Studied and implemented mathematical models of robotic locomotion
- ◆ Created communications protocols between embedded microprocessors and Linux systems

Hopkins Marine Station of Stanford University, Monterrey, CA

May – July 2014

Research Assistant

- ◆ Worked in a team to design and program a device to monitor the behavior of intertidal mussels
- ◆ Coordinated with Chinese manufacturers to produce custom printed circuit boards
- ◆ Implemented design changes on the fly in response to new information about environment
- ◆ Optimized expenditures to produce more devices for data collection on a limited budget

PERSONAL EXPERIENCE

Maintain a web server at <http://henryfjordan.duckdns.org> to explore rapidly emerging technologies

- ◆ Gaining familiarity with various Linux distributions including Ubuntu and currently Gentoo
- ◆ Built and deployed a website using HTML, CSS, and Javascript with NGINX HTTP server
- ◆ Working with various different production technologies like Node.js, LXC, Apache

SKILLS

Programming: Javascript, Python, C/C++, MATLAB, HTML, CSS, Java, VHDL

Hardware: PCB design and manufacture, Embedded AVR programming, Embedded Linux, Soldering

Computer Communication: Microsoft Word, Excel, Powerpoint and similar. Outlook, Google Apps

ACTIVITIES

Loyola Marymount University

2010 – 2012

NCAA Division I Cross Country and Track and Field Athlete

- ◆ Represented Loyola Marymount University in regional NCAA organized competitions
- ◆ Raced in goal oriented team and solo events ranging from 1500 m to 8 km races

St Thomas Aquinas Catholic Church, Palo Alto, CA

2008 – Present

Musical Minister

- ◆ Work in a small group to provide musical inspiration to congregation during service
- ◆ Provide assistance to local homeless population and shelters