

Tyler M. Mau

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Objective

To utilize my innovative thinking and passion of software programming to develop and support technology for the benefit of others as well as myself.

Technical Skills

Operating Systems

- Windows, OS X (Leopard - Yosemite), Linux (CentOS, Red Hat, Ubuntu)

Programming Languages

- C, Java, VBA, C++
- Python, HTML, CSS, XML, AppleScript, MIPS Assembly, Swift (Learning)

Applications

- Xcode, Unix Terminal, Eclipse, Netbeans
- iWork, iLife, Final Cut Pro & Express, Photoshop (Graphic Design)

Hardware Knowledge

- Digital & Analog Logic, Computer Architecture, PCB Fabrication

Professional Experience and Achievements

Software Development Intern, The Aerospace Corporation | El Segundo, CA (2011 - 2014)

- Astronomical Library Data Extraction/Testing (**C**)
 - Prevented incorrect planetary data from being published in the newest library version
- Software Development Efficiency Analysis (**ExtendSim** & **Python**)
 - Helped increase the efficiency of my department's collaborative coding process
- Scripting Projects for Upper Management (**VBA/Excel**)
 - Enhanced financial data analysis for company project funding to improve budgeting
 - Automated proposal system for new research projects throughout the company
- Launch Data Display Panel (**HTML/CSS**)
 - Created display for engineering analysts to view important vehicle data in real time
- Touchscreen Timeline Application for U.S. Launches (**JavaFX**)

Leadership Experience

Boy Scouts of America

- Eagle Scout, Order of the Arrow
- Patrol Leader, Troop Guide, Historian

University Marching Band

- Section Leader

Education

California Polytechnic State University, San Luis Obispo (Class of 2016)

- Bachelor of Science in Computer Engineering
- GPA: 3.284 - Dean's List 3 Times
- Received an 'A' in Cal Poly's notoriously challenging systems programming course (CPE 357)