

# Tyler M. Mau

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## Technical Skills

### Programming Languages

- C, Java, Python, C++, VBA
- HTML, CSS, JavaScript
- Swift, AppleScript
- MIPS Assembly

### Relevant Knowledge

- Object Oriented Programming
- POSIX Multithreading
- PCAP Library (Network Tracing)
- JavaFX Library
- Digital & Analog Logic

### Operating Systems

- Windows, OS X, Linux
- CPU Scheduling Algorithms
- Memory Management
- File Systems (FUSE)

### Development Environments

- Unix Terminal
- Xcode (C/C++/Swift)
- Visual Studio (C/C++)
- Eclipse/Netbeans (Java)
- Bluefish (HTML/CSS for Linux)

## University Courses

### Software Courses

- Object Oriented Programming
- Systems Programming
- Operating Systems
- Computer Networks

### Hardware Courses

- Computer Architecture
- Computer Design
- DC/AC Circuit Analysis
- Time Signals and Systems
- Semiconductors
- Integrated Circuits

## Education

### California Polytechnic State University, San Luis Obispo

- 4th Year - Graduating June 2016
- B.S. in **Computer Engineering**
- **GPA: 3.272** - Dean's List 3 Times

## Professional Experience

### 2011 - 2014 | The Aerospace Corporation

Software Development Intern

#### Multi-Touch Display Application (JavaFX) | June - September 2014

- Designed and developed an interactive timeline application

#### Financial Data Analysis (VBA) | June 2013 - September 2014

- Developed scripts for upper management for budgetary analysis

#### Display Panel Development (HTML/CSS) | December 2012

- Created HTML panels for displaying launch vehicle data

#### Technical White Paper | June - September 2012

- Co-authored technical research paper on the helium shortage

#### Data Extraction/Testing (C) | July - September 2011

- Developed testing program for Aerospace's astronomical library

More projects and details can be found on [tylermmau.com](http://tylermmau.com)

## Side Projects

### Code Counter for OS X (Swift) | December 2014

- Counts lines of code for all programming files in a specified directory

### Personal Website (HTML/CSS) | November 2014 - Present

- Personal website with details of internship projects, relevant university courses, side projects, and more. Available at [tylermmau.com](http://tylermmau.com).

### Quadcopter Design (C) | September 2014 - Present

- Ongoing Arduino-based quadcopter design project from scratch

## Leadership Experience

### Boy Scouts of America (8 Years)

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

### Music Programs (Clarinet - 12 Years)

- University Marching Band Section Leader
- Uniform Manager