

# Courtney Chu

cchu.1008@gmail.com

cchu1008.github.io

## Education

**California Polytechnic State University San Luis Obispo**  
Bachelor of Science, Computer Engineering

San Luis Obispo, CA  
Exp Graduation: June 2018

Major GPA: **3.2/4.0**

**Dean's Honor List** [June 2015]

**Honor's List** [Sept 2014 – Present]

## Related Coursework

357: *Systems Programming* (Introduction to C Programming) [pipes, forks, system calls]

315: *Computer Architecture* (Introduction to ARM Assembly)

233: *Computer Design and Assembly Language Programming* (Continuation of VHDL Programming)

## Skills

*Programming Languages:* Java, Python, HTML, C, VHDL, ARM Assembly

*Circuits Practical Experience:* Soldering, Crimping, Wire Stripping, Project Troubleshooting

*Data & Image Manipulation:* Microsoft Excel, Adobe (Photoshop, Illustrator, InDesign)

*Website Design and Management:* Blogspot, Facebook, Wordpress

## Projects

**RAT MCU** (VHDL & RAT Assembly Language)

December 2016

- Built RAT Microcontroller for an FPGA (Digilent Basys3 board) using VHDL and RAT Assembly Language.
- Coded ALU, Control Unit, and Finite State Machine among other components.
- Used RAT Assembler to assemble RAT Assembly Language.

**Sequential Lock** (VHDL)

December 2015

- Collaborated with a partner to create a working 7-segment display for the input values and final message.
- Synthesized code to a BASYS3 board to create a game with a 4-digit code that would display a congratulatory message when solved.

**Bytes and Bits** (HTML/CSS/JavaScript) [WIP]

March 2016 – Present

- Created personal website from blank github.io page (cchu1008.github.io)
- Utilized JavaScript to autofill age, year in school, etc.

## Work Experience

**Webmaster** (Visionary Optometry, ©KATYA)

Sept 2014 – Present

- Utilized aspects of HTML, CSS, and various Adobe programs to:
  - Create banners
  - Create and modify websites

**Desk Assistant** (Cal Poly Housing)

Sept 2016 – Present

- Answer phone calls for a front desk in Poly Canyon Village (residence hall)
- Resolve emerging conflicts by directing residents to appropriate resources

## Honors & Awards

Cal Poly Scholars' Scholarship  
Northrop Grumman Scholarship

Sept 2014 – Present  
Sept 2015