

# Maggie Chang

mchang43@calpoly.edu | (650) 619-3098 | <https://www.linkedin.com/in/maggiec22/>

## Education

- **California Polytechnic State University San Luis Obispo** | Expected Graduation: March 2021
- **Bachelor of Science in Computer Science** | **GPA: 3.57** | **Major GPA: 3.61** | Dean's List | President's List
- **Relevant Coursework** | Intro to iOS Development, Data Structures and Algorithms, Introduction to Computer Organization, Object Oriented Programming, Systems Programming, Discrete Structures, Intro to Computer Graphics, Design & Analysis of Algorithms, Database Systems, Computer Architecture, Programming Languages, Ethics, Science & Technology, Software Engineering, Database Modeling, Design & Implementation, Theory of Computation, User-Centered Interface Design and Development

## Work Experience

- **The Walt Disney Company Software Engineer Intern** | June 2020 - Current
  - Currently developing APIs for ESPN streaming services
- **Cisco Software Engineer Intern** | June 2019 - September 2019
  - Developed an orchestration layer using Django REST and Angular frameworks for an internal Cisco security application that manages sensitive passwords and credentials to decrease the number of security breaches
  - Collaborated with project managers, software engineers, and other interns from around the world daily
- **Cal Poly San Luis Obispo College of Engineering Peer Advisor** | March 2018 - Current
  - Manages front desk responsibilities and meets with students one-on-one for academic coaching regarding engineering curriculum, university policies, and course planning

## Projects

- **Secure Orchestration Vault Application** | A co-created orchestration layer for Cisco's credentials manager application within HashiCorp's Vault
- **Lempel Ziv Welch Compression** | Created a lossless data compression algorithm that reads and encodes files into variable length bit packets
- **RemindMe** | iOS reminders app created in Swift, using Google's Firebase Database API

## Skills

- **Advanced** | Python, C, Java, Unix, Agile Methodology
- **Intermediate** | Javascript, CSS, HTML, C++, Django REST, Angular, OpenGL

## Leadership

- **Bank of America Student Leader** | June 2017 - August 2017
  - Served as a student leader on the operations, development, and finance teams at LifeMoves, a non-profit organization focusing on breaking the cycle of homelessness
  - Nationwide student leaders program (5% acceptance rate) sponsored by Bank of America. Traveled to Washington D.C. to participate in the student leader summit
- **Girls Who Code Summer Immersion Program (Alumnus Teaching Assistant)** | June 2016 - August 2016
  - Taught 20 high school girls the fundamentals of computer science through a 7 week program, hosted by Adobe HQ in San Jose, CA. Curriculum covered Python libraries, animations, web development, robotics & Arduinos, circuitry, GitHub, Unix

## Awards

- **Bloomberg & National Center for Women in Information & Technology (NCWIT)** | Grace Hopper Celebration scholarship recipient 2018
  - One of 15 students in the nation selected for this prestigious scholarship to celebrate women in technology
- **The National Center for Women in Information & Technology (NCWIT)** | Certificate of Distinction Award Recipient 2016
  - Recognized for outstanding Computer Science achievements in the Bay Area community