

Samantha N. Figueroa  
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### Education

**BS - Computer Engineering**

**Minor - Environmental Engineering**

San Jose State University, San Jose, California

**Expected Graduation Date:** Spring 2024

**Current GPA:** 3.19

### Relevant Courses

Intro to Computer Science, Intro to Engineering, Discrete Mathematics, C Programming Concepts & Methodology, C++ Object-Oriented Concepts/Methodology, Calculus, and Diff. Equations, Intro Electrical Engineering.

Current C++ Algorithms, Data Structure Design, Digital Design, Advanced Algorithm Design, Software Engineering, and Electronics for Computing Systems

### Technical Skills

C, C++, JavaScript, Python, CSS, and HTML

### Work Experience/Leadership

Guest Services/Usher SAP Center, San Jose, CA

- Welcomes guest with hospitable disposition **Aug 2019- Present**
- Coordinated with other fellow ushers to ensure a safe and secure environment

UPWARD U.N.I.T.E.S. Women Program

- A mentee working with networking with Tomorrow Engineering & Science **July 2021-Present**
- Collaborated with senior executive women from Intel to strengthen relationships in the field of engineering

Google Software Product Sprint (Code U) SPS Program, San Jose CA

- Launched an MVP application for Covid-19 awareness using React **February 2021-May 2021**
- Constructed code within an 11-week span using HTML, JSS, and CSS

### Projects

Wind Turbine, SJSU Green Engineering Project

- Calculated the stiffness, power, and efficiency of a wind turbine **Fall 2019**
- Designed and built a working model using SolidWorks and 3D printing

Easy C V6 Cortex Robot SJSU, Intro to Engineering

- Designed and programmed a companion robot, to locate beacons **Fall 2019**
- Compiled drag and drop code onto a microcontroller to utilize its sensory motors

### Involvement

Participant of MEP, MESA Engineering Program

**September 2019-Present**

Mentee UPWARDS U.N.I.T.E.S Program

**July 2021-Present**