

# Matthew Lin

[github.com/battletag13](https://github.com/battletag13) | [matthewlin.net](https://matthewlin.net) | [matthewlinplusprogramming@gmail.com](mailto:matthewlinplusprogramming@gmail.com)

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## Skills

### Technical Skills

Proficient with:

C/C++ • Python3 • Javascript (ES6) • NodeJS  
HTML5 • CSS3 • MaterializeCSS/Material Design  
Git • Linux • Docker/Containerization

### Soft Skills

Strong:

Leadership • Initiative • Resourcefulness • Grit  
Bilingual Communication (English & Mandarin Chinese)

## Work Experience

### Robolink

Summer Software Intern

June 2019 - August 2019 | San Diego, CA

- Worked as a STEM camp instructor teaching the basics of Arduino, RobotC, and Python.
- Wrote code relating to one of the company's products, Zümi, utilizing Python, HTML, and Markdown.

## Education

### UCSD Extension

C/C++ Specialized Certificate Program

Graduated September 2018 | San Diego, CA

### San Diego Community College District

Towards Associates in Science

*Currently Enrolled | San Diego, CA*

Major: Computer Science

Coursework in:

- Computer and Information Science
- Mathematics

Cum. GPA: 4.0

### Mission Bay High School

Towards High School Diploma

*Currently Enrolled | San Diego, CA*

Notable Classes:

- AP Calculus AB
- AP Computer Science Principles

Cum. GPA: 4.63

## Technical Projects

### Portfolio Website | [matthewlin.net](https://matthewlin.net)

- Built website using HTML, MaterializeCSS, JQuery.
- Features material & responsive design to create a robust website where I feature my big projects.

### Sorting Visualizer | [demo on matthewlin.net](https://demo.onmatthewlin.net)

- Built using P5.JS.
- Features various sorting algorithms and allows you to compare the efficiency of various algorithms.

### QuickProcess | [demo on matthewlin.net](https://demo.onmatthewlin.net)

- Built using ElectronJS & NodeNative Modules (C++).
- Features manipulating images and applying filters to them.
- The desktop application was written in HTML & CSS using ElectronJS to package the app.
- The image processing code was written using NodeNative Modules written in C++ using the OpenCV image processing library.

## Entrepreneurial Experience

### Fiverr Freelancer

January 2018 - Present | San Diego, CA

- For the last few years, I have offered services creating chatbots for a messaging service called Discord.
- By freelancing I gained experience communicating with others, writing production code, and negotiating.

### MBHS Entrepreneurship Club

#### Co-Founder & President

August 2019 - Present | San Diego, CA

- The Mission Bay High School Entrepreneurship Club is currently creating a communication platform for high schools which allows students to easily contact teachers and each other regarding studying & homework.
- I work both as the head programmer and the president of the club and manage our day to day operations.

## Fun Facts

### Interests

Entrepreneurship • Teaching • Problem Solving

### Hobbies

Running (Track & Field / XC) • Music (Violin & Piano)