

# Matthew Lin

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## WORK EXPERIENCE

### PROGRAMINATION | PT SOFTWARE ENGINEER (FULL-STACK DEVELOPMENT)

Jun 2020 - Present | San Diego, CA

- Led the development of a prototype product for the company used by organizations for internal event planning & coordination.
- Utilized Postgres, GraphQL, and React Native to develop the product mentioned above.
- Utilized React Native to assist in the development of several products for various company clients.

### ROBOLINK | SUMMER SOFTWARE INTERN

Jun 2019 - Aug 2019 | San Diego, CA

- Instructed STEM summer camp sessions teaching Arduino, RobotC, and Python to elementary/middle/high school students.
- Wrote automation code and camp educational material using Python, HTML, and Markdown.

### FREELANCE | SOFTWARE CONTRACTOR

Jan 2018 - Jun 2020 | San Diego, CA

- Developed chat bots that ran on social media platform Discord.
- Interacted with various APIs including GoogleTranslate, GoogleSheets, Spotify, etc.
- Gained experience writing clean ES6 JS code that ran on compute limited servers.

## EDUCATION

### UCSD EXTENSION

SPECIALIZED CERTIFICATE IN C/C++ PROGRAMMING

Graduated Sept 2018 | San Diego, CA

### SAN DIEGO COMMUNITY COLLEGE DISTRICT

PURSUING AS IN COMPUTER SCIENCE (SOPHOMORE)

Expected Aug 2021 | San Diego, CA

Credits In Progress/Completed: 35 / 60

Cum. GPA: 4.0 / 4.0

### MISSION BAY HIGH SCHOOL

PURSING HIGH SCHOOL DIPLOMA (JUNIOR)

Expected Jun 2022 | San Diego, CA

Cum. GPA: 4.77 / 4.0

## LINKS

Github:// [matthew-plusprogramming](https://github.com/matthew-plusprogramming)

LinkedIn:// [matthewlin-sd](https://www.linkedin.com/in/matthewlin-sd)

YouTube:// [Matthew Lin](https://www.youtube.com/channel/UCMatthLin)

StackOverflow:// [matthew-lin](https://stackoverflow.com/users/1041441/matthew-lin)

## SKILLS

### TECHNICAL

Proficient with:

C/C++ • Javascript • Typescript • NodeJS • GraphQL

ReactJS • HTML5 • CSS3

Git • Docker • Mongo • Postgres

Familiar with:

Shell • Python3 • Markdown

### SOFT

Strong:

Leadership • Initiative • Resourcefulness • Grit

Communication • Cooperation

## LEADERSHIP EXPERIENCE

### MBHS ENTREPRENEURSHIP CLUB

Co-FOUNDER & PRESIDENT

August 2019 - Present | San Diego, CA

- Led the club in designing, developing, deploying, and iterating a communication platform for students in the San Diego Unified School District.
- Led a group of developers to create a mobile app for our purposes (As of October 2020, we are nearing the end of our first product development cycle).

## PROJECTS

### PORTFOLIO WEBSITE | MATTHEWLIN.DEV

- Portfolio website built using HTML, MaterializeCSS, and ReactJS.
- Features material & responsive design to create a robust website where I feature my big projects & testimonials.

### FAST ENGINE

- Simple game engine written in C++ using the SDL graphics library.

### QUICKPROCESS

- Built using ElectronJS & OpenCV.
- Image manipulation tool which allows you to apply filters over images.
- Image processing code was written in NodeJS using the OpenCV image processing library.

## FUN FACTS

### INTERESTS

Entrepreneurship • Teaching • Problem Solving

### HOBBIES

Running (Track & Field / Cross Country) • Music (Violin & Piano)