

Matthew Roberts

(626) 975-8459

mattako@protonmail.com

Alhambra, CA 91803

<https://www.mattako.dev>

SUMMARY

California State Polytechnic University of Pomona alumnus with an ambition to gain professional experience in software engineering fields with prior experience in leadership and teaching roles.

EDUCATION

California State Polytechnic University, Pomona

Sept 2016 – May 2020

B.S Computer Engineering: 3.75 GPA

EXPERIENCE

iD Tech Camps - California Institute of Technology, Pasadena, CA (Jun '19-Aug '19)

Instructor

- Taught weekly programming and design courses to children ages 10-17 years old.
- Course topics would range from programming Arduinos, designing games in Unreal Engine, and creating games in VR using Unity.

CPP Game Design and Development Club, Cal Poly Pomona (Jan '19-Mar '20)

Club Member

- Would attend weekly meetings to learn more about game design, occasionally work on group projects.

Pokestuf, Alhambra, CA (Jul '18-Oct '19)

Food Service Shift Lead

- Shift lead would manage other workers, prepare restaurant for openings and closings.
- Perform general tasks such as prepare and serve dishes, cashier duties, and more.

RELEVANT SKILLS

- C Languages (C++, C#, C)
- Python
- Android Studio (Kotlin, XML)
- Verilog/VHDL
- HTML5 and CSS3
- Data Structures and Algorithms
- Familiar with APIs
- MIPS Assembly Language
- Unity and Unreal Engine 4
- Git/GitHub
- Linux experience (Ubuntu)

PROJECTS

Embedded SoC System, *In Class Project (Fall 2019)*

- Created a SoC system on an FPGA. We would create cores that would communicate with the processor on the hardware level and create drivers that would create a system useable for programmers.

Arcade Machine via FPGA, *Group Project (Fall 2018)*

- Created hardware using Verilog that would simulate an arcade machine. Worked with group members to create classic arcade games like *Snake* and *Pong* on an FPGA board and display the game using VGA.

PI Bot, *Solo Project (Fall 2016)*

- Built a motorized robot and utilized the built in Arduino board to complete objectives given by the class instructor.

REFERENCES

Sara Gutkind, *Director From iD Tech*

(626) 710-7326

saragutkind@gmail.com