

Joe Ma

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SUMMARY

A recent Electrical Engineering graduate who is prospectively getting a M.S. in Computer Science in the near future. Has had first-hand experience in the food/ service industry and participated in a virtual development experience with peers from around the globe.

EDUCATION

Bachelor of Science in Electrical Engineering

Minor in Minor in Applied Mathematics • Boise State University • Boise, Idaho • 2021 • 3.83 GPA

PROJECTS

Smart Mask - Senior Design Project

Boise State University • August 2020 - May 2021

- Led a multidisciplinary team to design and create a Smart Mask
- Designed electronics block diagrams/ schematics in Eagle
- Developed low-level software for the Smart Mask
- Implemented Android app for reading real-time data

CERTIFICATIONS

Security in Cyber-Physical Systems: Hardware and Firmware Focus

Boise State University • 2021

Learned about security implications in Cyber-Physical Systems

COURSEWORK

Intro to Systems Programming

Learned and applied Systems Programming by developing C code in Linux

Embedded Systems

Learned how to program C on the ATMEGA324PA via Atmel Studio and AVR Dragon

Microprocessors

Learned how to use Assembly and C in an ARM based development scenario

EXPERIENCE

Freelance Editor / Content Creator

Jade Studios

, August 2013 - Current

- Created mainly gameplay videos.
- Edited video using PowerDirector 14/Davinci Resolve.
- Created and maintained a website using a JAMstack.

HP Summer Scholar

HP

, June 2020 - July 2020

- Learned about the inner workings of HP ranging from marketing to engineering.
- Networked with HP staff and peers from around the world.
- Researched and presented new sustainable ideas to HP.

Assistant Manager

Mandarin Dynasty

November 2014 - June 2019, Fruitland, Idaho

- Maintained a website through a proprietary CMS.
- Managed front-of-house and helped train new employees.
- Managed inventory for front-of-house and reported any shortages.
- Acted as an intermediary/translator for kitchen staff and waitstaff.
- Provided technical support for network-related outages

SKILLS

Programming Languages: Java, C, Javascript, Python

Operating Systems: Linux and Windows