

# Joe Ma

📍 Fruitland, Idaho ✉ joema@u.boisestate.edu ☎ (208) 936-5748 🌐 <https://joema.net>

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## SUMMARY

College student majoring in Electrical Engineering and prospectively getting a M.S. in Computer Science. Has had first-hand experience in the food/service industry and participated in a virtual development experience with peers from around the globe.

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## EDUCATION

### BS in Electrical Engineering

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

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## CERTIFICATIONS

### Security in Cyber-Physical Systems: Hardware and Firmware Focus

Boise State University • 2021

Learned about security implications in Cyber-Physical Systems

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## COURSEWORK

### Intro to Security in Cyber-Physical Systems

Boise State University • 2020

Learned about security implications and CIA

### Embedded Systems

Electrical and Computer Engineering • 2020 • C

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

### Microprocessors

Electrical and Computer Engineering • Linux, C, and Assembly

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

### Computer Science II

Computer Science • Java

Learned and implemented data structures and sorting algorithms

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## 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 intermediary/translator for kitchen staff and waitstaff.
- Responsible for fixing all tech-related issues including credit card terminal outage and network outage.

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## SKILLS

Language: Chinese - Limited Working Proficiency

Programming Languages: Java, C, Assembly, Matlab

Operating Systems: Windows and Linux