

Joshua Maza

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EDUCATION

University of Washington, Seattle, WA

Expected June 2021

B.S. in Information Technology, Minor in Entrepreneurship (3.5 GPA, Deans List 8 quarters)

Skills: Data Structures & Algorithms, Computer Science & Engineering, Full-Stack Web Development, Cloud Computing (GCP and AWS), Database Design, Server Architecture, Containerization (Docker), Unit Testing, Agile Methodologies, Entrepreneurship

WORK EXPERIENCE

TechX Software Engineering Intern | T-Mobile | **PHP (Laravel), Vue, NodeJS, MySQL, Docker, Selenium**

Oct 2020 - Present

- Deploys bugfixes and refactors code for mission critical full-stack applications, improving user experience for frontline workers.
- Creating smoke and regression unit testing with Selenium, Mocha, and Chai to increase testing consistency and team capacity.
- Practices code reviews, test procedures, documentation, and scrum best practices in a team of 9 other engineers.
- Collaborating in 50+ person team with industry best practices in Agile development, Git, and Jira/Confluence.

Software Developer Intern | Institute for Systems Biology | **React, PhaserJS, Python (Flask), MySQL**

Sept 2019 - Oct 2020

- Developed an educational mobile game and tool used in classrooms across Seattle to teach 100+ students about DNA.
- Created a React website and mobile game integrated with Google Analytics, performed numerous deployments and hotfixes.
- Developed solutions for storing player gameplay data which gained numerical proof for future grant funding up to \$50,000.
- Worked with 2 engineers to develop an API to interact with a MySQL database to track user activity of players.

Technology Manager | ASUW (Rainy Dawg Radio) | **React, JavaScript, Linux, Apache, MySQL, PHP**

Sept 2018 - June 2020

- Enabled 100+ student DJs to host live radio shows through managing a broadcast from a physical studio to online server.
- Overhauled radio website front end with React and various social media APIs to a mobile friendly/accessible application.
- Collaborated with multiple teams to lead, plan, produce, and promote 10+ live music events.
- Built a database system for music using MySQL and PHP for song entry, organization, and querying with a bootstrap web form.

PROJECTS

Mobile App | Leafy | **JavaScript, React Native, GCP**

Feb 2021 - Present

- Leading development of a mobile app in a team of 4 to address mental wellness needs of student peers through gamification.
- Conducting full research and build process from project planning to concept validation and agile development over 6 months.

Indie Game (2D Top-Down Roguelike) | ExSpire | **Unity (C#), Aesprite**

June 2020 - Present

- Fully self-designed, developed, and promoted a game made in Unity to sell in online stores, gained 150+ wishlists.
- Followed the lean startup method of developing MVPs, prioritizing learning, and product iteration through feedback.

Full-Stack Web Applications | Hack'20 Hackathon | **JavaScript, React, NodeJS, GCP, PassportJS**

Oct 2020

- Worked in a team of 4 to develop a messaging platform to help parents homeschool. Previously attended 7 other hackathons.
- Contributed building entire front-end in React, designed the database schema, and collaborated on writing an API in Express.

Slack Clone Messaging Application | INFO 441 (Server-side Development) | **AWS (EC2), Docker, Go, NodeJS**

Jan 2020 - Mar 2020

- Learned API implementation in Golang and NodeJS by writing APIs to manage users, authentication, and messaging.
- Implemented various features and algorithms like search with trie, messaging with RabbitMQ, and encryption/hashing.
- Used Redis, MongoDB, and SQL database technologies to manage sessions, users, and messaging.
- Used Docker to deploy containers and AWS to manage a complex web server architecture, practiced with CLI.

LEADERSHIP

Cofounder | Revibe Apparel | **Shopify, React, NodeJS, Google Cloud Platform, Heroku**

Oct 2020 - March 2021

- Successfully pitched to a group of local investors, gained \$2,000 of funding, broke even, and was a profitable business.
- Managed a storefront with Shopify, optimized SEO to become top of page first result, increasing organic traffic by over 100%.

President | UW Electronic Music Producers | **FL Studio, Pro Tools, Logic Pro, Ableton, Adobe Audition**

Sept 2017 - Present

- Supported a community 100+ members through the COVID-19 pandemic by facilitating online meetings, educating on music theory and production, creating fun challenges, and encouraging members to collaborate remotely with music.
- Connected with and invited industry professionals to teach on various topics relating to music production, theory, and industry.