

Aaron Cassar

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EDUCATION

Bachelor of Science in Computer Science

2019 - 2021

Minor in Mathematics - Southern Oregon University - Ashland, OR, USA

SOU Honors, Provost's List

EXPERIENCE

Wanderer's Guide *(a digital toolset and management platform)*

Remote

Founder

Jun 2019 - Present

- Worked in full-stack, developing in Javascript; using NodeJS, Sequelize, & Socket.io
- Designed, developed, and managed content creation platform for over 50,000 users.
- Built content distribution Restful API and implemented OAuth 2.0 access.
- Created a verified Discord bot utilizing the API I created which is used in over 100 Discord servers.
- Managed cloud infrastructure, utilizing DigitalOcean, Google Cloud, and Microsoft Azure resources.
- Developed markup and compilation language, WSC, and created language compiler for it.
- Managed and created complex MySQL database for over 120,000 user characters.
- Worked with other content creators, setting up sponsorships and marketing deals.

TalesTerrain *(a website that randomly generates natural terrain and biomes)*

Remote

Founder

Jul 2021 - Present

- Created a world generator for TaleSpire. Written in Javascript and used by thousands of creators.
- Built a Google Chrome and Firefox extension, Tales of 2e, in tandem in order to automatically detect dice notation on webpages and generate appropriate links.

WalkAshland *(an Android app that broadcasts and displays virtual tours)*

Ashland, OR, USA

Full-Stack Java Software Developer

Feb 2021 - May 2021

- Worked in Agile team, building core framework for the app and managed testing and release tracks.
- Built tool that automatically generated waypoints and routes for Google Maps.
- Developed generation tools for nodes using Google Maps & Directions API and Firebase.

Web Development - Freelance

Santa Cruz, CA, USA

True Love CMF

Jun 2021 - Jul 2021

The Gamer's Den Watsonville

Sep 2020 - Nov 2020

Flexsweep

Mar 2016 - May 2022

- Worked with teams and created frontend websites for companies; using Squarespace, Lightspeed eCommerce, and Shopify (while also making custom changes in JS, HTML, and CSS).

Southern Oregon University

Ashland, OR, USA

Computer Science Tutor

Jan 2019 - Jun 2019

- Led, taught, and explained CS concepts to 10-20 other students.

LEADERSHIP & OTHER AFFILIATIONS

Card-Board Club, Co-President & Accountant

Aug 2019 - Jun 2020

- Managed group finances, weekly meetings (10-20 weekly attendants), and logistics.

MTG Association, President

Dec 2019 - Jun 2021

- Managed weekly meetings, twice-monthly events (20-35 attendants), budget, and more.

Team Building Leader and Event Coordinator

Aug 2019 - Present

- Lead peers once to three times per week in creativity and conflict resolution exercises. Eventually this became a paid job that I ran bi-weekly for two different groups of youth, ages 8-12.

TECHNICAL SKILLS & INTERESTS

Languages: Java, Javascript, SQL, C#, Python, Typescript, C, Go, Elm, Rust, Haskell, C++, Lua *(Most to Least Proficient)*

Tools/Frameworks: NodeJS (Express), jQuery, Sequelize, Prisma, Socket.io, Unity, Bulma, Bootstrap, React, Vue.js, Google Cloud, DigitalOcean, Azure, AWS, Heroku, GitHub, GitLab

Other Language: Conversational ASL **Interests:** Hiking, TTRPGs, Software Development, Governance, Networking