Clay McGinnis

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Experience:

Amazon - Alexa Communications
Software Development Engineer I

Seattle, WA
May. 2021 — Nov. 2022

- Facilitated 300,000+ customer calls by building services to enable Roadside Assistance through Alexa in Java
- Reduced bi-weekly manual deployment time by 5 hours by converting 3 services to CI/CD involving the creation of integration tests, monitoring, and infrastructure built in AWS
- Enabled 16,000+ new customer setups for Roadside Assistance and Emergency Calling with Alexa by building mobile app screens in the Alexa App using React Native with TypeScript

Amazon - Alexa Communications
Software Development Engineer Intern

Seattle, WA
May. 2020 — Aug. 2020

- Enabled the resolution of 30+ customer tickets by modernizing our Java service metrics publishing library used for 600,000+ customer calls per month
- Identified 20+ previously undiscovered customer issues by creating dashboards and alarms

CEADS-LIN: Cybersecurity and Evolutionary Computing Research
Research Assistant with Dr. Daniel Tauritz

Rolla, MO
Feb. 2018 — Aug. 2019

- Created visualization tools in React.js to monitor containerized network traffic and analyze evolutionary experiments in real time featured in 3 research papers

Edward Jones Investments
Software Engineering Intern

St. Louis, MO
May. 2019 — Aug. 2019

- Fixed issues in 700,000+ customer calls per day by fixing MVC front-end bugs using JavaScript and Java
- Allowed for 3,000+ employees to move to a secure web browser by fixing website incompatibility problems for 4 core websites in JavaScript

Notable Projects:

All public projects listed below (and many more) are on my GitHub

Stratos:
Jan. 2018 - Dec. 2020

On-demand dedicated game servers as a service. No configuration required, controlled using a first party desktop app

- Stratos was created to solve friction when gamers host dedicated servers. The Stratos desktop app and hosting service streamlines the experience in simplicity, pricing, and performance.
- **My contributions:** Desktop app designed in Figma, User-facing API written with Golang, GraphQL, Auth0, and Stripe. Back-end infrastructure with Golang, DigitalOcean Cloud, and more

Personal Project — Swoly:
Jan. 2018 - Dec. 2020

Fitness app and terminal system to compute ideal workouts based on personal bests

- Designed and developed to record my workouts and suggest incremental changes to maximize growth to meet personal goals.
- **My contributions:** App written using React Native and Auth0 for iOS and Android

Education:

Missouri University of Science and Technology (Missouri S&T)
B.S. Computer Science

December 2020
3.5 Cumulative GPA

Honors and Activities:

- ACM Vice President Internal — Apr. 2018 - Apr. 2019
  Managed 7 organizations in funding, time-lines, and planning for events hosting 120+ attendees
- Megaminer AI — Dec. 2017
  2nd place among 30+ other teams — Programmed an AI to play a game in Python

Multirotor Robot Design Team
Chief Software Engineer

Rolla, MO
Feb. 2019 — May 2020

- Managed a team of 30+ software developers in creating real-time autonomous software for an octo-copter resulting in acceptance to the International Aerial Robotics Competition

Missouri S&T — ACM
ACM Web Chair

Rolla, MO
Jan. 2020 — Dec. 2020

- Managed and taught 14 students in building full-stack websites and mobile apps.
- Increased student event attendance up to 4x by building a full-stack website (link: mstacm.org) for ACM in TypeScript and React.js

Technical Skills:

Languages:	Golang	TypeScript	React.js	Python	C++	Bash
Skills:	Git	AWS	CI/CD	Unix	Unit/Integ Testing	