April Petersen

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Full stack developer with advanced knowledge of software and hardware. Detail-oriented and independent but able to work in a team. Fast learner and dedicated worker. Proficient in multiple programming languages and experienced with web and desktop software frameworks.

EXPERIENCE

Stride Inc
Remote

Software Engineer Intern
Jun 2022 to Aug 2022

Integrated quickly into the development team and developed features for the company's customer-facing web app. Adapted quickly to dynamic work environment, acquiring and applying new skills on the job to contribute effectively to team objectives.

- Wrote production code for the live vídeo session system in the company's e-learning platform that is used by tens of thousands of students and administrators every day
- Quickly learned TypeScript, AWS, and the Serverless framework from zero experience and fully integrated into the development cycle
- Increased development efficiency by introducing error-checking and formatting tools to aid with code consistency and bug detection
- Participated in the Agile process, including running a daily standup meeting
- Extensively utilized Jira and Git for project management and version control

IronSafe, Inc
Remote

Software Engineer Intern
Jun 2018 to Sep 2018

Created new search features used by hundreds of financial and medical institutions. Acclimated to remote software work and learned technical and interpersonal skills.

- Developed UI and API functionality for searching financial and medical records
- Engaged in the full software development lifecycle for the company's customer-facing SaaS single-page web app
- Worked with developers and management to coordinate product maintenance and the creation of new features

University of Minnesota - Duluth
Duluth, MN

BS – Computer Science
Sep 2019 to Dec 2023

Studied a variety of technical and abstract topics, including but not limited to:

- *CS4242* – Natural Language Processing – Learned statistical and neural language models and implemented multiple types of neural networks for various NLP tasks
- *CS4222 – Artificial Intelligence* – Studied search algorithms, constraint satisfaction, and machine learning, examining both the theoretical and practical sides
- *CS3540 – Software Engineering* – Followed Agile principles to complete a sleep-tracking Android app with a group of students; evaluated different organizational and design strategies for software architecture and team management
- *CS4995 – Usability Engineering* – Analyzed and implemented usability principles, including user testing, accessibility, and design ethics

PERSONAL PROJECTS

Tailfin – Open-source self-hosted flight logging and management tool.

- Built a REST API and web frontend from the ground up using Python, FastAPI, and MongoDB for the backend and TypeScript, React, and Remix for the frontend
- Created Docker build workflow for release publishing

Home Server

- Run and maintain a home server used for media streaming, file storage, photo backup, personal VPN and DNS servers, and web hosting
- Manage all server applications and networking on Linux through Docker

SKILLS

Technical: `Python` `TypeScript` `React` `MongoDB` `SQL` `AWS` `Docker` `Linux`

Personal: `Agile Development` `Scrum`

INTERESTS

- *Aviation*: Possess and regulary use a private pilot license. Plan and carry out trips with complicated logistics, including flights around the midwest, south to Tennessee and Kentucky, and north through Canada to Alaska. Assist with maintentance and upgrading of a 1947 Aeronca Champ.
- *Backpacking*: Organize annual week-long backpacking trips with family and friends
- *Music*: Consistently practice violin, continuing over 18 years of playing. Additionally play guitar and piano.
- *Woodworking*: Undergo various projects from furniture to musical instruments, including two electric guitars and one bass guitar.