Sam McClure

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HI, I'M SAM! 👋

I'm an adventurer, problem solver and most importantly to you a Full Stack Engineer. I was an Audio Engineer who got the chance to launch Active Noise Cancellation products for several vehicles before attending the highly selective App Academy, where I developed a passion for full-stack software development. My first software job further cemented my love for delivering polished, easy to use products by writing clean, innovative code and I'm looking to continue that journey.

SKILLS

JavaScript, TypeScript, React, Redux, Python, Django, Ruby, Ruby on Rails, SQL, PostgreSQL, Git, HTML, CSS

EXPERIENCE

Full-Stack Software Engineer
SiFive Inc., January 2019 - May 2020

Build
- 9 new products and 20+ new features for the SiFive Core Designer web application using React/Redux, TypeScript, and Django
- Internal suite of tools for Staff Users to interact with Customers

Impact
- 2.5X the company's available products
- Generated thousands of new potential customers
- Reduced staff engineering time by automating several days of manual work for each new product.
- Allowed Staff Users to self-sufficiently deliver 200+ products to Customers

Research
- Collaborated with Staff Users to understand their needs to most effectively deliver solutions
- Trained Staff Users on how to use new staff tools through clear documentation and training sessions

Test
- Prevented site-breaking bugs by doing thorough testing during Git code reviews.
- Converted the codebase to TypeScript to reduce the number of run-time errors.

Community
- Organized monthly office game nights, including running gaming tournaments with 10-20 participants, many who were encouraged to play for the first time.

Associate Systems Engineer
Panasonic Automotive, June 2015 - May 2017
- Designed Active Noise Cancellation (ANC) tunings for over 10 vehicle launches for multiple major car companies by taking acoustic measurements, analyzing data, and testing on-site with the client.
- Fixed a potential ANC instability by coming up with a revised tuning and implementing it into 300+ vehicles just before public launch.
- Created a plan to prevent future tunings from having instabilities by performing more QA tests on the ANC systems and taking measurements on 100+ client vehicles before product release.

PERSONAL PROJECTS

Rollover *(Ruby on Rails, React/Redux, CSS3, PostgreSQL, AWS S3)* | Sole Developer   Live Site | Github
A full-stack, single-page blogging site inspired by tumblr

SoundStars *(JavaScript, HTML5 Canvas)* | Sole Developer   Live Site | Github
An audio visualization that allows users to connect stars and play back their sounds.

EDUCATION

App Academy - 1000-hour immersive full-stack web development intensive with <3% acceptance rate (2018)
Lawrence Technological University - *BS - Audio Engineering Technology - 3.9/4.0 GPA -* (2010 - 2014)