

EXPERIENCES

Bridgewater Associates

Site Reliability Engineer

Jul 2017 - Present

Maintain and improve service reliability through automation and effective systems support. I play a key role in reducing incident time-to-resolution, cognitive load, and human error by introducing more efficient operational procedures. I'm able to increase the accuracy and rate of service failure detection through the continuous reduction of signal:noise ratios in service monitoring systems.

FocusVision

Site Reliability Engineer

Nov 2015 - Dec 2016

Introduced self-healing components that supported a positive increase in service uptime and reliability – which significantly reduced the toil associated with being on-call. Focused on a breadth of areas related to systems infrastructure, deployment, security, and testing. Developed tools that enabled the business and its customers, increasing their ability to self-serve and remain productive while reducing the costs associated with knowledge sinks.

Software Engineer

Jun 2014 - Nov 2015

As a full-stack engineer, I used agile, test-driven approaches to develop stable APIs and feature-rich applications. I made large contributions to the design, implementation, security, automation, testing, and elimination of bugs in our system stack (from development to deployment).

Technical Writer

Nov 2013 - Jun 2014

I combined accuracy, clarity, and brevity to curate technical documentation that was actionable, realistic, and organized. Having been in the trenches of survey programming, I authored and maintained an entire end-to-end guide on how to best work with the technology.

Survey Programmer

Aug 2012 - Nov 2013

Developed dynamic, interactive web applications to collect data across millions of respondents. Carefully implemented the logic and desired behavior that turned questionnaires into data collecting systems that were cross-browser, cross-device, ADA approved, and secure.

Bitwise Industries

JavaScript Instructor

Feb 2016 - Apr 2016

While simultaneously working as an SRE @ FocusVision, I worked as a contractor to teach a six-week course on the fundamentals of JavaScript and programming. I gained a wholesome appreciation for those who are able to curate lesson plans that cater to the speeds, ability, and passion of the entire class.

California State University, Fresno

Research & Development

Jan 2012 - Jul 2016

During my senior year in college and in partnership with the Nation Science Foundation, I developed FALT (Fresno Audiovisual Lexicon Tool) – a system to perform lexical analysis on the similarities of phonemic and visemic communication.

IT Help Desk Technician

Mar 2010 - Feb 2012

Provided first class technical support to the entire campus.

Cameron Briar

Software Scientist

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EDUCATION

BS, Computer Science
Fresno State, California
2012

TECHNOLOGIES

Python (scikit-learn, scipy, numpy, pandas)

JavaScript (React-Native, Vue.js, Angular)

Linux (RHEL, Debian)

Data Science (Python, Spark, Octave, R, Jupyter, Visidata, GNU Radio)

Version Control (Git)

Databases (PostgreSQL, SQLite, MySQL, MongoDB, Redis)

Config. Management (Ansible, Chef, Salt, FSS)

Cloud Computing (Google, AWS, Rackspace, IBM SoftLayer)

Other Languages (Bash, Scala, C++, Obj-C, Swift, Java, PowerShell)