Blake French

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SUMMARY

Software engineer with 9 years of professional experience and a proven ability to deliver impactful results. Experience in large-scale advertising and semiconductor manufacturing, designing production systems handling billions of users and revenue. Successful in smaller environments such as education nonprofits. Strong leadership ability to empower teams in a variety of fields. Background in machine learning and physics.

EXPERIENCE

Google   San Diego, CA   April 2020 – Present
Senior Software Engineer; Team Lead
- Protect children online by classifying advertisements into an age-appropriate ratings scheme (AAA), which restricts ads with inappropriate topics from serving to minors.
- Lead the kids experiences team through technical design, public-facing duties, and external collaboration; and by mentoring and empowering junior engineers.
- Create and maintain systems to enable AAA on multiple Google and third party platforms serving billions of users.
- Expanded AAA child protections by ~10x via project ownership on Google Search and Shopping; including design, implementation, launches, analysis, and pipelining. Collaborate and lead cross-functional teams to achieve these goals.
- Realized 50% alert reduction and improved automation by designing a new scheduling platform, while reducing on-call toil. Led a team of engineers during implementation.
- Promote team activities: regular code and design reviews, on-call duties, and interviewing.

Micron Technology, Inc.   Boise, ID   August 2015 – April 2020
Senior Control Systems Engineer
- Automated manufacturing anomaly / fault detection and reaction (FDC) with the goal of reducing scrap, product variance, and RMAs at all backend sites globally.
- Created and maintained FDC systems, and enhanced FDC system functionality with plugins and feature additions.
- Realized multi-million dollar savings across product lines at multiple factories with FDC systems.
- Addressed need for global alignment on FDC systems by training and leading an international team.
- Modeled manufacturing processes and established controls by collaborating with process engineers and other technical experts.
- Designed integrations for new tool / sensor integrations and non-standard systems as the global SME. Collaborated with R&D groups to cover new product integrations.
- Designed / implemented FDC integration on state-of-the-art thermal compression bonder process. Reduced faults, excursions, and customer RMAs.

EDUCATION

Georgia Institute of Technology   May 2023
- *Master of Science in Computer Science – Machine Learning*

Idaho State University   May 2015
- *Bachelor of Science in Physics*
- *Bachelor of Science in Music*

TECHNICAL SKILLS

- Languages: Python, C++, SQL, C#, Go

- Machine learning, software development, automation
- Python libraries: Torch, Tensorflow + Keras, pandas, sklearn

OTHER EXPERIENCE

Armada Corps, Inc.   Boise, ID   December 2016 – August 2019
Founder; Board Member

- Founded the organization; achieved federal nonprofit status on the first attempt.
- Made high-level decisions for the organization with the rest of the executive team.
- Developed the website, wrote non-profit incorporation documents, and created other public-facing documents.