

Alex King

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EXPERIENCE

Google (August 2017 – Present)

Seattle, WA

Software Engineer II, Compute Engine VM Environment

- Implementing features, microservices, tooling and instrumentation for Google Cloud Platform’s commercial virtual machine offering, making it highly performant, featureful, and reliable (C++, Go, Python)
- Built and tuned core infrastructure enabling a virtual trusted platform module (vTPM) and UEFI Secure Boot on VMs, including a database overhaul that led to a 2x increase in capacity and 22x decrease in median latency
- Designing systems and logic to run a stress VM workload across Google’s hardware fleet and prevent customer jobs from scheduling on bad hardware, meaningfully impacting VM mean time between failure

Apple (May 2016 – August 2016)

Cupertino, CA

Software Engineering Intern, macOS Performance

- Independently designed and implemented an internal tool to statistically aggregate application usage patterns to streamline and enhance the testing process for macOS (Python, Swift)
- Based on work completed, potential impact and presentation performance, selected by VP of Software Engineering Programs to present to SVP of Software Engineering and his team

Nordstrom (June 2015 – August 2015)

Seattle, WA

Software Engineering Intern, Ecommerce

- Designed and prototyped a “Digital Assistant” software service for Nordstrom stores (Node.js, React, MongoDB)
- Based on speed of iteration and strength of demo, selected by Ecommerce Engineering Director to present project to VPs of Technology

Tufts University (January 2015 – May 2017)

Somerville, MA

Computer Science Teaching Assistant

- Held office hours, assisted with laboratories, evaluated homework and exams, and conducted two-on-one code reviews for graduate-level Programming Languages course
- Provided detailed feedback on student work by critiquing functionality, efficiency, style, readability, and redundancy

EDUCATION

Tufts University (September 2013 – May 2017)

Somerville, MA

Bachelor of Science *summa cum laude*, Computer Science

SKILLS

- **Languages:** C++, Python, Go, C, JavaScript, SQL, Swift, Standard ML
- **Writing:** Acute technical and editorial capabilities; blog content featured on Mashable, ZDNet, Hacker News Daily Top 10 and many others