

Alexander Lash

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## EXPERIENCE

### **Principal Member of Technical Staff, Salesforce; Bellevue, WA - 2018-Present**

Tech lead of the Governance Lifecycle Uplift Enablement team. The team's goal is to unify the hundreds of one-off scanning/analysis programs into a single ongoing, actionable, system; dashboards over spreadsheets, tracking bugs over emails, continuous enforcement over one-time reports. Previous work included designing and implementing a continuous enforcement tool that replaced multi-hour functional tests with ~10s/build of static analysis.

### **Part-time Graduate Lecturer, Northeastern University; Seattle, WA – 2018-Present**

Lecturing one class of 20-60 graduate students per semester on CS5500 Foundations of Software Engineering. Syllabus includes` code review, project management, and formal design.

### **Software Engineer III, Google; New York, NY and Kirkland, WA – 2013-2018**

Founding member of the Frameworks Apple Team (née iOS Developer Infrastructure); responsible for various domains including Swift for TensorFlow, Swift language tooling, iOS releasing/provisioning, iOS internals, and iOS security and identity concerns. Previous projects include Google-wide iOS framework projects and the Google Sheets application.

### **Software Development Engineer II, Amazon; Seattle, WA – 2011-2013**

Member of the Merchant Technology team; completely redesigned merchant middleware platforms while maintaining them. Created various operations visualizers and tools that brought the average on-call load (tickets, pages) down by 90%. Joined the Trade Books team in 2013; developed novel interfaces for book recommendation and discovery.

### **Software Development Engineer II, Microsoft; Redmond, WA – 2007-2011**

Member of the Identity and Access team; designed and implemented a majority of the "cmdlets" for Active Directory PowerShell. Designed and prototyped a new classifier for Active Directory diagnostics capable of significant and fully automated root cause analysis of operational errors. Designed and implemented fully automated deployment systems.

### **Intern, 3Com; Marlborough, MA – 2006-2007**

Member of the Compliance and Verification team; responsible for a ground-up redesign moving from manual to automated verification. Maintained legacy J2EE and Perl applications.

### **Graduate Intern Technical, Intel; Chandler, AZ – 2006**

Member of the Process Flow Integration team; conceived, designed, and implemented a scalable web-based document management and creation system for 10k users worldwide.

### **Undergraduate Intern Technical, Intel; Hudson, MA – 2005**

Member of the Network Processing team; lead a group of interns in developing a 5gbps XML router on an experimental 64-core embedded platform.

## EDUCATION

Worcester Polytechnic Institute – Bachelor of Science, Computer Science

Worcester Polytechnic Institute – Master of Science, Computer Science