

ALEXANDER G. SILVERSTEIN

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Experience

- **Tableau** Cambridge, MA
Staff Software Engineer June 2018 - Present
 - Designing and developing statistical features in Tableau
 - Helped design and implement Explain Data, one of two highlighted features in 2019.3
 - Wrote a cost/benefit analysis of scaling our build grid, resulting in a 30 minute reduction in precommit
- **Empirical Systems (acquired by Tableau)** Cambridge, MA
Software Engineer May 2016 - June 2018
 - First non-founding engineer. Helped grow team to five before acquisition
 - Built web-based statistical programming platform backed by AWS and Docker
 - Built our Flask-based Python server and designed and implemented our public REST interface
 - Implemented a number of models in our C++ statistics engine
 - Built and maintained our public Python API, edpanalyst, and our Google Sheets integration
 - Served as sales engineer and public statistics consultant
- **Google** New York, NY
Senior Software Engineer June 2012 - May 2016
 - Tech Lead of Google Contributor team
 - Led integration of real-time bidder and Google's payments infrastructure
 - Built a widely-used internal Chrome extension for shortening URLs
- **DRW Trading Group** London, England
Senior Software Engineer July 2010 - June 2012
 - Developed and supported proprietary, web-based trading platform
- **Bloomberg L.P.** New York, NY
Software Development Intern May 2009 - August 2009
 - Extended and maintained multiple functions on the Bloomberg terminal
- **Carnegie Mellon University - Qatar** Doha, Qatar
Teaching Assistant January 2009 - May 2009
 - Served as Teaching Assistant for three undergraduate computer science courses
- **Amazon.com** Seattle, WA
Software Development Engineer Intern May 2008 - August 2008
 - Developed migration utility from Simple Storage System to Elastic Block Storage
 - Extended internal management utility in Ruby on Rails

Education

- **Carnegie Mellon University** Pittsburgh, PA
B.S. in Computer Science Graduated May 2010
 - Graduated with University Honors
 - Minor in Economics
 - GPA: 3.53

Skills

Operating Systems: Linux (Gentoo, Ubuntu, and Slax)

Computer Languages: Proficient in Python, C++, Java, \LaTeX
Competent in Javascript, HTML, CSS, UNIX Shells, Haskell, SQL
Proficient once upon a time in SML/NJ

Tools: Git, various AWS services, Docker, IntelliJ, JUnit, Vim