ALEXANDER G. SILVERSTEIN

New York, NY   *646-801-2348; aslvrstn@gmail.com*

Experience

- **Private High-Frequency Trading Firm** — New York, NY
  Cofounder — *June 2021 - Present*
  - Built a complete greenfield high-frequency trading stack making 10k trades daily
  - Designed and built trade simulation and optimization library
  - Designed and built our web-based trading dashboard
  - Profiled and optimized our Python and Go stacks

- **Tableau (acquired by Salesforce)** — Cambridge, MA
  Principal MTS — *June 2018 - June 2021*
  - Designed and developed 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

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

Computer Languages: Proficient in Python, C++, Java, LaTeX
Competent in Javascript, HTML, CSS, UNIX Shells, Haskell, SQL

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