

Education

- **Stony Brook University** at Stony Brook, New York
Master of Science in Computer Science Graduated May 2013
GPA: 4.00
Bachelor of Science in Computer Science Graduated May 2012
GPA: 3.82
 - Enrolled in Computer Science Honors program

Professional experience

- **Google** (Mountain View, CA) July 2013–Present
 - Software engineer primarily focused on onboarding experience for Apps for Work, including work on frontend, backend, and operational systems
 - Highly proficient in internal Google tooling for building state-of-the-art services and websites
 - Regularly design and drive projects and features, scoping tasks for other engineers
- **Student projects** (Stony Brook, NY) Spring 2012–Spring 2013
 - Wrote a precise garbage collector for C using a typed-based source transformation framework, adding support for runtime introspection with libunwind and DWARF and working across shared libraries
 - Ported Tiny C Compiler to be self-hosting in a 64-bit toy OS, writing an ELF-parsing dynamic loader
 - Detected sensor node faults in the Intel-Berkeley dataset using statistical estimation and classifiers
- **Google** (New York, NY) Summer 2012
 - As intern, added support for collaborator cursors in Google Slides editor
- **Riverbed Technology** (San Francisco, CA) Summer 2011
 - As intern, created a tool to convert interprocess traffic into fabricated TCP/IP capture for debugging and profiling in Wireshark, helping to identify performance bottlenecks like livelock and chatty processes
- **Galaxy cluster administrator** (Stony Brook, NY) Fall 2010–Spring 2012
 - Managed the Galaxy and Seawulf high performance Beowulf clusters for the AMS department
- **Google Summer of Code: Haskell** Summer 2010
 - Designed a RESTful backend for Hackage, a repository of over 5,500 Haskell packages
 - Gave a talk, "Hackage 2.0: Serving Packages Better", at the Haskell Implementors' Workshop in Baltimore, Maryland at the 2010 International Conference of Functional Programming

Technical skills

- Computer languages: Java, JavaScript, Python, C, C++, Haskell, Scala, Bash; familiar with many others
- Toolchain: GCC suite and GDB, Chrome debugger, Closure compiler, make, Vim, Git
- Other areas of interest: Machine learning, Concurrency, Compilers and type theory, Network security

Leadership

- **Google** 2013–Present
 - Hosted an intern in Summer 2015 and have mentored Nooglers
 - Have given many tech talks, including a widely-referred-to synopsis of JavaScript frameworks
- **Teaching Assistant at Stony Brook University** Spring 2012
 - Held office hours for undergraduate software engineering and game programming courses
- **Member of Stony Brook Computing Society (SBCS), an ACM chapter** 2009–2012
 - Led review sessions for 200-level undergraduate classes, preparing students for exams
- **Member and president of Linux Users Group at Stony Brook (LUGSB)** 2009–2012
 - Regularly hosted meetings and gave technical presentations