

Experience

The Bank of New York Mellon *Senior Developer* January 2016–Present

Worked on the Identity and Authentication teams. Developed manual and automated tests for various flaky legacy servers. Gathered requirements for several projects that were ultimately cancelled, focusing on reducing the risk of complex and poorly understood processes.

Google *Software Engineer* July 2011–November 2015

Worked on Google Affiliate Network, an advertising platform which connected publishers and advertisers, and tracked conversions in real time.

Worked on Shopping Metadata, curated and maintained attributes on offers and catalogs in the product search site. Worked closely with the operations team to develop the tools used to prioritize and curate this data. Developed front-end features to promote attribute-based shopping and browsing, and back-end features concerning data quality. Promoted code health and fixits. Maintained an on-call rotation. Languages used: Java, C++

American Greetings Interactive *Developer Intern* June–August 2010

Replaced an aging backend tool and wrote a modern web UI. Used automated regression tests to ensure backwards compatibility. Gathered requirements for the new system from users of the existing system. Participated in code reviews and practiced test-driven development. (Python)

Broadband Mechanics *Tech Ninja* December 2009

Orchestrated the unplanned cross-country migration of an entire development and production environment in 72 hours. Maintained uptime of the hosted wikis and websites during the transition. Reconfigured web/database/mail/DNS servers to work in the new setup.

CWRU Academic Research Computing *Research Assistant* May–August 2009

Assisted in the administration of a 150-node computing cluster, including network debugging, switch configuration, hardware replacement, and software configuration management.

internalDrive Tech Camps *Camp Instructor* May–August 2008

Taught high schoolers elementary to intermediate computer programming using Java, C++, and C#; assisted with running an overnight summer camp.

Landrum & Brown *Developer* June–August 2007

Created animations with 3ds Max. Prototyped and developed a successful web application for employee training and testing using ASP.NET.

Education

Case Western Reserve University May 2011

Bachelor of Arts in Mathematics and Computer Science. GPA 3.17.

EECS Award for the best senior projects in computer science (Spring 2011).

CWRU Trustee's Scholarship (Spring 2006).

National Merit Finalist (Spring 2006).

Film Society webmaster (Fall 2008–Spring 2010).

Cofounded the Hacker Society (Fall 2007).

Skills

- Proficient in C++, Java, Python, C, JavaScript, Linux, L^AT_EX, and Git.
- Familiar with Ruby, C#, Mercurial, Haskell, Scheme, SQL, Rails.
- 90k reputation on Stack Overflow