

Education

University of Pittsburgh May 2024–Anticipated graduation August 2026

Master of Data Science.

Case Western Reserve University August 2006–May 2011

Bachelor of Arts in Mathematics and Computer Science.

Experience

Carnegie Learning *Senior Software Engineer* February 2022–June 2023

Developed, maintained, and supported various third-party integrations for a learning management system relating to single sign on. Communicated with customer support to diagnose and fix user-facing issues. Participated in agile/scrum processes and code reviews. Java, Splunk, TypeScript, Python, MySQL, AWS.

Rivers Agile Solutions *Software Engineer* December 2020–November 2021

Developed projects for various clients, working closely with the customer as part of a small consulting team. Learned technologies as necessary including: React, Angular, Three.js, Heroku, Android, SQL Server, Azure Functions.

Independent Contractor January 2020–November 2020

Analyzed a legacy system and determined the client's requirements. Designed and developed a replacement with Django in Python.

Maven Machines *Senior Software Engineer* August 2017–December 2019

Implemented, deployed, and tested critical API integrations in order to meet regulatory deadlines for the ELD mandate. Developed a pipeline for processing noisy, real-time truck data events into a usable form. Improved the stability of a microservice-oriented cloud system. Promoted best practices for continuous testing and deployment management. Led server postmortems to understand and prioritize production changes as much as reasonable in a fast-paced start-up environment. Node.js, Go, AWS.

The Bank of New York Mellon *Senior Developer* January 2016–May 2017

Worked on the Identity and Authentication teams. Developed manual and automated tests for various flaky legacy servers. Gathered requirements to understand the risks of several projects, particularly relating to interactions with complex and poorly understood processes.

Google *Software Engineer* July 2011–November 2015

GOOGLE AFFILIATE NETWORK Rewrote test suites to speed up code reviews by an order of magnitude. Designed an API to connect reporting and analytics to the sales team.

SHOPPING METADATA Stabilized internal tooling used by the technical writing team. Built end-to-end tests to enable continuous data releases. Deployed tooling improvements to optimize the team's workflow. 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. Java, C++