

Education

New York University | MS Computer Science

- Completed specialized coursework in Databases and Natural Language Processing
- Performed internship as Financial Software Developer at Bloomberg
- Lead team creating thermostat provisioning application for capstone project with EnergyHub

Cal Poly San Luis Obispo | BS Business Administration

- Earned dual concentration in Financial Management and Accounting
- Performed internship as Fixed Income Research Associate at Allegiance Capital
- Served as an investment analyst on behalf of the Student Managed Portfolio Project

Experience

AppFolio | Senior Software Engineer (2019-2020) **Ruby on Rails, React, MobX**

- Created visualizations for AI virtual leasing assistant generated leads
- Integrated third party leasing provider Blue Moon to bring on new larger clients
- Streamlined the leasing process by reducing the number of clicks to update marketing information
- Refactored sign-in application from 7 screens down to just 3 page views
- Developed date / time component to be reusable and automate the scheduling process with vendors

Galvanize | Lead Instructor (2017-2019) **React, Redux, Node.js, Express, Spring Boot, PostgreSQL**

- Lead 8 cohorts and roughly 160 new students through the Web Development Immersive
- Expanded and taught JavaScript curriculum for evening courses
- Trained developers in React and Redux part-time evening course
- Managed instructor review process as "Campus Captain" for Galvanize Boulder
- Delivered Cloud Native Essentials to experienced developers

Pearson | Software Engineer (2016-2017) **Python, Go, MongoDB, Docker, AngularJS, D3.js**

- Cut statistics processing time in half by introducing threading with goroutines
- Created dashboard visualizations displaying histograms used to train machine learning models
- Developed numerous experiments using Jupyter / IPython notebooks and Docker containers

Blue Hook | Founder & CTO (2014-2017) **Django, Flask, Node.js, Express, SQLite, AngularJS, D3.js**

Clients included Rocky Mountain Patent, KPMG, Motili, Hawaiian Airlines, Apollo Mapping, Coroutine, and Flipboard.

- Designed and developed a web-based contractor portal
- Lead a team of contractors on a satellite imagery search engine project
- Refactored a full-stack application to allow search result filtering on the front-end
- Trained the principal developer of a consulting partner
- Built thoroughly tested custom components and data visualizations
- Completed an accessibility overhaul removing aXe errors and incorporating Deque feedback
- Maintained an expert network mobile application utilizing local storage
- Developed a locale management project allowing non-technical users to safely modify files

Simple Energy | Software Engineer (2013-2014) **Ember, Python, Django REST Framework, MySQL**

- Rebuilt system decoupling front-end into SPA and back-end into JSON API
- Developed badge awarding functionality to engage users
- Integrated Sailthru API for transactional and marketing email programs

Genscape | Software Engineer (2012-2013) **PHP, PostgreSQL, .NET, C#, WPF**

- Maintained old content collection system for natural gas pipeline production
- Developed new application to replace existing content collection system
- Parsed the DOM and used regular expressions for extraction and data manipulation