

Qualifications

- Full-stack software engineer with over 5 years of professional and academic experience
- Clear communicator who can work independently or together with a team
- Familiar with foundational areas such as networking, automated testing, and version control
- Lifelong learner and aspiring functional programmer

Education

New York University

MS Computer Science (2010-2012)
Preparatory Accelerated Course (PAC) (2009)

Cal Poly San Luis Obispo

BS Business Administration (2002-2006)
Dual Concentration in Financial Management and Accounting

Activities

Elm user group Boulder | Organizer (2016-Present)

BoulderJS Meetup | Organizer (2014-2016)

Experience

Pearson | Software Engineer (2016-Present) **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 & Engineer (2014-Present)

Rocky Mountain Patent **Express, Node, MongoDB**

Partnered with Rocky Mountain Patent to provide development services for clients and internal projects.

KPMG AngularJS

Built thoroughly tested custom components and data visualizations for KPMG's Customer Compass product

Hawaiian Airlines **AngularJS**

Participated in an accessibility overhaul of the entire site, removing aXe errors and incorporating Deque feedback.

Anidentifier **Ionic, Cordova, AngularJS, Ruby on Rails**

Served as the principal engineer for an expert network application. Utilized local storage and a SQL Lite database on the device.

Motili **AngularJS, Express, Node, MongoDB**

Lead the initial design and development of their web-based contractor portal.

Apollo Mapping **AngularJS, Python, Flask, PostgreSQL**

Lead a team of contractors on a major rebuild which would allow search results to be filtered on the front-end. Brought new satellites online, enhanced notifications for business users, and greatly improved the quality and reliability of previews.

Flipboard **Python, Django, PostgreSQL**

As a sub-contractor on behalf of Alcatraz Engineering, I worked together with and trained their principal developer. We designed & developed a locale management project for Flipboard which would allow non-technical users to safely modify locale files managed with GitHub.

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

- Ported PHP based application to Django REST Framework and Ember
- Integrated Sailthru API for transactional and marketing email programs

Genscape | Software Engineer (2012-2013) **PHP, PostgreSQL**

- Maintained old PHP/PostgreSQL system and developed new .NET/C#/WPF application
- Parsed the DOM and used regular expressions for extraction and data manipulation

Bloomberg | Financial Software Developer (2010 Summer Internship) **JavaScript, GTK+, C**

- Translated the OTUS function for adding users from C/GTK+ to JavaScript

Allianz Global Investors Capital | Equity Trading Analyst (2008-2009) **VBA, Matlab**

- Automated position monitoring with VBA and modeled portfolio risk with Matlab

Allegiance Capital | Fixed Income Research Associate (2005 Summer Internship, 2006-2007) **Excel**

- Implemented default probability and loss model for Commercial Mortgage Backed Securities (CMBS)

Student World Assembly | Director of Internal Communications (2004) **Access, Outlook**

- Lead database development and managed all internal email communications