Sean Helvey

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https://github.com/seanhelvey

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

Front Range Elm | Organizer (2016-Present)   Boulder JS | Organizer (2014-2016)

Experience

Galvanize | Instructor / Sr. Full Stack Developer (2017-Present) **React, Redux, Express, PostgreSQL**
- Served as Web Development Immersive (WDI) Instructor for g49, g68, and g89 cohorts
- Expanded and taught JavaScript, React, and Redux curriculum for part-time evening courses
- Managed instructor review process as "Campus Captain" for Galvanize Boulder

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-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