Owen C. Derby

owen@owenderby.com | San Francisco, CA
owenderby.com | github.com/oderby

About Me

A self-motivated, versatile software engineer with strong product sensibilities. Collaborative, thorough and quick to learn new tools. Results and impact are more important to me than technology used. Seeking opportunities at a company leveraging technology to tackle climate change or other equally important challenges.

Experience

Flux Factory, Inc.

Technical Product Manager May 2015 — Aug 2016

- Led company through a 4 month pivot to a new SAAS data-interchange product for computational designers.
- Established KPIs for the product, a roadmap to achieve them and oversaw its implementation by development teams, resulting in adoption by thousands of users from a niche market in 6 months.
- Analyzed user behavior to prioritize new features and support sales and marketing in targeting customers.

Software Engineer Jul 2013 — May 2015

- Designed, built and deployed backend services in Go and associated SQL databases for user data, accounts and Stripe payments.
- Created pipelines for collecting, cleaning, and combining GIS and zoning code data, and Angular components for displaying the result in the Metro product.
- Implemented logical subsystems for a 'building configurator' application, while helping re-scope the project mid-contract to deliver a reduced set of features on time.

MIT CSAIL, ALFA Group

Research Assistant Jun 2012 — May 2013

- Developed FlexGP – a distributed, heterogeneous genetic programming system for machine learning.
- Created a framework for running and analyzing FlexGP on an OpenStack cloud computing implementation.
- Published 2 papers and presented my research at the preeminent conference for genetic and evolutionary computation.

Undergraduate Research Assistant Feb 2011 — May 2011

- Designed and implemented a simple, light-weight genetic programming library in Java.

Jaybridge Robotics, Autonomous Agriculture Group

Software Engineering Intern May 2011 — Aug 2011

- Contributed to ongoing development of software control package for an autonomous farm tractor.
- Expanded regression tests to exercise new system features and to assess improvements in system performance.

Education

Massachusetts Institute of Technology

Masters of Engineering - Computer Science, GPA: 5.0 Jun 2013

Bachelors of Science - Computer Science and Engineering, GPA: 4.7 Jun 2012

Relevant Coursework: Machine Learning, Distributed Systems, Computer Systems Security, Performance Engineering of Software Systems, Design and Analysis of Algorithms

Skills

Programming Languages: Python, JavaScript, Go, HTML/CSS, Java, C/C++

Software & Tools: git, svn, Jira, gerrit, Mixpanel/GA, QGIS

Deployment & DBs: GCS, AWS, Docker, MySQL, MongoDB

Interests

- Board Games
- Ping Pong
- Cooking
- Exploring new cities
- Robotics
- Soccer