

SOFTWARE ENGINEER EXPERIENCE

ECORITHM

2016-Present

Software Engineer

Santa Barbara, CA

Ecorithm makes physics-based predictive analytics and optimization software transforming dynamic data into specific, actionable insights for building owners and operators.

- Develop client and server applications for presenting Ecorithm's proprietary analytics utilizing Ruby/Rails, JavaScript, React, jQuery, PostgreSQL, HTML/CSS

NEONMOB (WWW.NEONMOB.COM)

2014 – 2016

Software Engineer

San Francisco, CA / Santa Barbara, CA

NeonMob is a platform for collecting digital trading cards. Users can open packs and trade to complete series, earn badges and collect limited edition cards.

- Developed features from the ORM to the client layer utilizing Python/Django, Django REST Framework, AngularJS, PostgreSQL, REDIS, MongoDB, NodeJS, Swift
- Team utilized Agile principles with no product managers or QA so I was responsible for all aspects of story ownership including writing acceptance criteria, managing tasks, writing test-driven code, running hallways and hand-offs, and testing the final product.

VOLUME (WWW.VOLUME.COM)

2013-2014

Software Engineer

San Francisco, CA

- As a full-stack web developer, I contributed to the design and implementation of client and server applications utilizing Ruby/Rails, JavaScript, CoffeeScript, jQuery, PostgreSQL, HTML/CSS
- Team worked through a list of prioritized user stories and developers owned stories from start to finish with no product managers or QA
- Built out a number of core features with minimal supervision including user mentioning in comments, image tagging, collaborator roles, and a cover image and avatar cropper

OTHER EXPERIENCE

REARDEN COMMERCE

2012-2013

Manager of Content Operations (Sept 2012 – Feb 2013)

San Francisco, CA

Senior Business Operations Analyst (Jan 2012 – Sept 2012)

I primarily worked on Rearden's suite of daily deals sites including homerun.com and several white label deal sites for customers of large financial institutions (i.e. Chase, AmEx Serve).

- Managed the operations team (6 content managers, programming manager, and over 20 freelance writers and designers) for Rearden's suite of daily deal websites, including homerun.com and partner sites for several large financial institutions
- Managed the redesign and implementation of Homerun's legacy salesforce.com system to better align with post-acquisition business needs. This project required a full needs assessment across 60 users in five departments and resulted in an overhaul of the system's data structure to adjust from serving the needs of a single daily deals site to a network of deal sites across multiple partners. Also managed the development of Apex triggers by an external development team in India
- Developed metrics for managing deal inventory based on internal business rules and partner restrictions to inform both the sales team of inventory requirement gaps and the programming team of available inventory

NEXT STREET FINANCIAL

2010 – 2012

Senior Strategy Analyst

Boston, MA

Next Street is a consulting firm based in Boston and New York providing advice and capital solutions to small and mid-sized business in urban markets to aid in economic growth, job creation and social returns.

- Developed annual financial forecasts for core portfolio clients (high performing urban businesses with annual revenues of \$10M - \$50M)
- Compiled monthly budget variance and business unit profitability reports for review with business owners
- Developed and managed process for tracking future revenue to ensure accurate financial forecasts
- Developed a variety of management tools using Excel to analyze profitability and key performance indicators by project and business unit to identify areas of over or under delivery
- Conducted ad-hoc analyses for core clients including strategic staffing models, weekly business development dashboards and profitability forecasts

THOMSON REUTERS (PREVIOUSLY THOMSON HEALTHCARE)

2004 – 2008

Senior SAS Programmer / Analyst

Santa Barbara, CA

- Managed the creation of patient-level health care databases and related software tools through the federally funded Healthcare Cost and Utilization Project
- Developed core analytical skills including a strong foundation in relational databases, attention to detail and the ability to break-down complex problems into actionable solutions
- Managed the staff and budget for the creation of the 2006 Kids' Inpatient Database and its supporting documentation which was released earlier than scheduled and under-budget
- Lead analyst on a processing team responsible for coordinating the data acquisition and programming of HCUP data; exceeded contract goals of delivering processed data to the client within 30 days of receipt
- Redesigned processes for creating public versions of confidential hospital discharge data to allow wider use of the programs; the streamlined process saved approximately 100 programmer hours per year

EDUCATION

BOSTON UNIVERSITY GRADUATE SCHOOL OF MANAGEMENT

Boston, MA

MBA / MS Dual Degree, May 2010

- Master of Business Administration / Master of Science in Information Systems (Dean's Scholarship Recipient)
- Dual Concentration: Strategy & Business Analysis / Finance
- GMAT: 750

Elective Courses Include: Corporate Finance, Financial Statement Analysis, Strategic Financial Analysis and Design, Modeling in Excel: Optimization and Simulation

UNIVERSITY OF MICHIGAN

Ann Arbor, MI

Bachelor of Science, Mathematics (Statistics Minor), April 2004

- Varsity Water Polo Team (Scholarship Athlete 2000-2004, AWCPA All American Honorable Mention, All Conference First Team, Academic All American)
- University of Michigan Athletic Academic Achievement Recipient (2001-2004)
- Big Ten Scholar Athlete Award Recipient (2002-2004)

COMMUNITY

EQUALITECH(WWW.EQUALITECH.ORG)

June 2016-Present

Co-Founder, Director of Technology

Goleta, CA

- Non-profit founded with the mission to close to growing digital gap in Goleta and Santa Barbara neighborhoods
- Current focus is opening a community computer lab in Old Town Goleta

TECHNOLOGIES

- Ruby, Rails, Python, Django, Django REST Framework, AngularJS, Swift, NodeJS, Sinatra, JavaScript, jQuery, PostgreSQL, HTML/CSS
- Highly proficient in Microsoft Office, particularly Excel, Word and PowerPoint.
- Proven ability and desire to learn new languages, frameworks and systems quickly