MARK VALENTINE

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OBJECTIVE

A full-time position or internship working to improve or design UI/UX for any application via a position as a front-end engineer, full-stack engineer, or product manager.

EDUCATION

2011-2015 Stanford University, Computer Science Department, Biocomputation Track, Stanford, CA
Bachelor of Science, Class of 2015

PROJECTS

Spring 2014 **"DisGo Live" Mobile Web Application** – Front-End Engineer

- Helped build mobile web application to create an online and mobile optimized scheduling system for DisGo, the Stanford Office of Accessible Education's golf cart service for disabled or injured students.
- Worked building UI/UX using Twitter Bootstrap in a NodeJS framework mobile web application.
- Gained experience doing extensive prototyping and user testing as well as working with Google Analytics to evaluate performance of the application.

Spring 2015 **"Athena" Web Forum Application** – UI/UX and Project Manager

- Managed group and helped build an online academic forum for high school students.
- Managed four group members delegating assignments and coordinating bi-weekly scrums for group.
- Designed entire UI/UX for website using Twitter Bootstrap, HTML/CSS, AJAX, and other JavaScript, gaining a lot of experience in each.
- Gained experience with the Django framework doing full-stack engineering on the application.

WORK/RESEARCH EXPERIENCE

10/2012–07/2013 **Research Assistant, Jasper Ridge Biological Preserve, Stanford University**, Stanford, CA

- Conducted research identifying and sorting insects taxonomically by order and family for an insect population study aimed at determining the functional recovery of wetlands as well as the effects of wetlands on drylands via insect biomass flux.
- Worked with data entry and analytics on a dataset spanning 3+ years.
- Received VPSU Grant for Undergraduate Research to work on the project.

07/2013-01/2014 **Lead Researcher, Jasper Ridge Biological Preserve, Stanford University**, Stanford, CA

- Led insect population study aimed at determining the functional recovery of wetlands as well as the effects of wetlands on drylands via insect biomass flux.
- Trained and managed two undergraduate research assistants, coordinating schedules, arranging meetings, and conducting employee evaluations.
- Performed primary data analysis and presented initial findings to Jasper Ridge Management to help inform the decision on the removal of the Searsville Reservoir Dam.

SKILLS

Programming Languages: Python, JavaScript, HTML/CSS, LESS, Java, C++, C, Ruby, R, Matlab
Frameworks and Client/Server Technologies: Django, Rails, NodeJS, AJAX, Twitter Bootstrap, JQuery, SQL, SQLite, AngularJS
Languages: Spanish (conversational)

LEADERSHIP, OTHER ACTIVITIES AND AWARDS

- Awarded the 2011-12 Excellence Award in an Introductory Seminar for Bio30N: Extinctions in Near Time.
- Tutored Chem31A: Chemical Principals I, Chem31B: Chemical Principals I, and Chem33: Structure and Reactivity.
- Tutored Stats141: Biostatistics, and Econ102a: Introduction to Statistical Methods for Social Scientists.
- Tutored or tutoring in CS106a: Programming Methodology (Java), CS106b: Programming Abstraction (C++), CS103: Mathematical Foundations of Computing, and CS142: Web Applications.
- Driver for DisGo, a golf cart service for disabled and injured students from the Office of Accessible Education, Stanford University from 10/2013 to Present.
- Co-President of Stanford Club Volleyball 2014-15.