William Wu

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Objective

I am looking for a full time **Software Engineering** position. I enjoy working with backend development, data-related problems, and mobile apps, and would love the opportunity to learn and contribute in other areas.

Education

University of California – Berkeley — Berkeley, CA

Computer Science Major [GPA: 3.44**]** — Aug. '12 – Dec. '16

Classes

Data Structures	Computer Architecture	Computer Security	Discrete Math & Probability
Algorithms	Internet Architecture	Computer Graphics [IP]	Linear Algebra
Operating Systems	Artificial Intelligence	Mac/iOS Dev.	Tech Entrepreneurship
Database Systems	Machine Learning	Ruby on Rails Dev.	

Experience

OpenTable – Restaurant API Team, Recommendations Team — San Francisco, CA

Software Engineering and Data Science Intern — June '16 – Aug. '16

- created a subscription management API for a Java Spring Boot service to deliver push notifications
- setup a signup flow for restaurants to integrate their Point of Sale systems with Omnivore API
- analyzed and visualized ~60 million reservations using Python pandas and bokeh
- trained XGBoost and scikit-learn models on featurized reservations to predict cancellation rates

Amazon – Consumer Website Services Team — Seattle, WA

Software Development Engineer Intern — May '15 – Aug. '15

- designed and developed a full stack internal Rails advertisement server using AWS S3, RDS, and EC2
- implemented a bag-of-words clustering algorithm to target ads towards relevant customers

UC Berkeley – Computer Science Instructional Staff — Berkeley, CA

CS61B (Data Structures) Lab Assistant — Sept. '14 – Dec. '14

- worked with section instructor to facilitate the class in lab and office hours
- explained concepts to students as they completed assignments

Projects

https://github.com/williamwu2k12

- ***Thanks-For-The-Invite***: iPhone application that uses Parse and SQLite3 to manage user-defined events, simplify the invitation and accept/reject process, and provide a platform for guests to discuss and update an event
- ***Secure-Browsing***: Google Chrome extension that utilizes browser history to enhance browser functionality
  - improved security for history by storing and encrypting using indexedDB and CryptoJS
  - efficient browsing with a personalized URL page rank that uses a client side neural network trained on browser history

Skills

Programming Languages

- Python, Java, C, Objective-C
- Ruby on Rails, JavaScript, HTML

Software and Tools

- Git, Xcode, IntelliJ IDEA, Vim, Sublime Text 2, Unix Shell