

WARREN W. TIAN

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Graduation: December 2017

B.A. Computer Science

- CS61A: Structure & Interpretation of Computer Programs
- CS61B: Data Structures & Advanced Programming
- CS61C: Great Ideas in Computer Architecture
- CS169: Software Engineering
- CS170: Efficient Algorithms & Intractable Problems
- CS188: Artificial Intelligence

PROFESSIONAL EXPERIENCE

PENNYPOP – Mobile Gaming Company

Software Engineering Server Intern

May 2016-August 2016

- Developed a system to log player activities for data analysis for a new mobile game using Ruby on Rails
- Refactored multiple legacy server controllers using method extracting and moving features between objects
- Used TDD to create testing suites for new game features and rewrote outdated tests
- Contributed to the server-side game API by making decisions on its design and protocols

MOBAGEL – SaaS for IoT Businesses, 500 Startups – Batch 13 Mountain View

Software Engineering Intern

May 2015-August 2015

- Integrated existing client with Salesforce's client using PHP and Javascript for easy user onboarding
- Created Javascript SDK for RESTful API calls and encryption/decryption of AES-256 encoded data
- Developed real-time data visualization system using d3.js and the Google Maps API to track user devices
- Optimized front-end load and display algorithm performance for large datasets (5x speedup)

PROJECTS

User-based Image sharing website – Ruby on Rails

Source Code: github.com/williamwu2k12/rails-proj2

URL: rocky-tundra-8244.herokuapp.com/

- Collaborated with partners using git workflow to incrementally add features
- Allows users to create account, upload, like, favorite, filter, and comment on other users' uploaded images
- Used Devise and Paperclip gems for easy account creation and file sharing

League of Legends Statistics – Python, Javascript, HTML, CSS

Source Code: github.com/bryanyan/APIItemChanges

URL: riotapitemss.herokuapp.com/

- Utilizes Python to make REST API calls, parse responses for, and write JSON files
- Data is visualized through a combination of d3.js, Bootstrap, and jQuery

Drunkosophy – Swift 2.0

Source Code: github.com/warrent888/drunkosophy

- Created iOS application that allows users to create profiles, posts, and comments
- Uses Parse as a backend for User, Question, and Comment data
- Generates app statistics showing a user's score based on their participation in the app

Miniature Relational Database Management System - Java

- Implemented a restricted dialect of SQL to read files, store data, and retrieve entries
- Utilizes inner join and multiple data structures to implement multiple-table select

Graph Package – Java

- Created a graph package to be utilized in multiple applications with basic graph utilities
- Implemented GNU make using the graph package to find targets to build and make
- Implemented a trip finder similar to Google Maps using the A* search algorithm and graph utilities

ADDITIONAL INFO

SKILLS: Python, Java, Ruby on Rails, C, Git, Javascript, HTML, CSS, PHP, XCode, Swift 2.0, RSpec

INTERESTS: Competitive Chess, Poker, Board Games, Theta Tau Fraternity