

Garrett Wesley

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EDUCATION

University of California, Berkeley

B.A. Computer Science

GPA: 3.50

Aug. 2017 - Dec. 2020

Coursework: Programming, Data Structures, Computer Architecture, Discrete Math & Probability Theory, Linear Algebra & Differential Equations, iOS Development, Ruby on Rails.

Current: Efficient Algorithms and Intractable Problems, Intro to Artificial Intelligence.

EXPERIENCE

LiftIgniter

Software Engineer Intern

San Francisco, CA

May 2018 - Aug. 2018

- ❑ Created a custom override interface for a machine learning recommendation api that was featured in 10 million+ page loads per day, and pitched a demo of the system to investors.
- ❑ Implemented and deployed an A/B testing interface to empower users and provide fine-grained control over clients sites; designed elements around goals and constraints e.g. driving long-term engagement, pushing for increased click-through-rate, rewarding popular items by metrics such as revenue and page-views.

Lux Science

Web Developer Intern

Oakland, CA

Jan 2018 - May. 2018

- ❑ Proposed improvements to their educational platform and created interactive WebGL's in Unity that optimized performance on mobile devices.
- ❑ Improved initial site load by 30% by off-loading static assets, lazy-loading expensive resources. and changing to server-side rendering.

Rox Solutions

Club Co-Founder & Project Manager

San Diego, CA

Jan. 2016 - June 2016

- ❑ Co-founded club that enables students to learn computer science through practical real life projects.
- ❑ Built a campus registration system for all clubs to use to manage members and meetings; implemented a subscription system using Stripe API; revamped user registration/onboarding flow.

PROJECTS

Crypto Brokers

May - July 2018

- ❑ Built a real time cryptocurrency exchange simulator allowing users to experiment with trading cryptocurrencies with virtual money.
- ❑ Created a fluid and responsive interface that provides analytical feedback to users on coin and market trends. Manages user profiles using OAuth and Google authentication.
- ❑ Features a twitter bot that performs sentiment analysis on tweets that mention coins to forecast price changes.

Cal BnB - calbnb.herokuapp.com/

January 2018

- ❑ Built a UC Berkeley home sharing app with user authentication and authorization. Incorporated messaging between users and deployed on Heroku.
- ❑ Interacted with Google maps api and implemented relational SQL database to store user data.

Touch Typer - chrome.google.com/webstore/detail/typing-10-fast-fingers/eoefmbbche

December 2017

- ❑ Developed a Google Chrome extension to allow users to increase their typing speed and accuracy. 6000+ weekly active users across several countries.
- ❑ Utilizes least squares to pull words that the user is more likely to struggle with for increased exposure. Incorporates a visual heat map of keys with most errors.

DiceDual - dicedual.herokuapp.com/

August 2017

- ❑ Real time Node.js multiplayer dice game using express.
- ❑ Implemented intelligent game rooms through socket.io to manage concurrent user sessions.

FLUENCIES

C, C#, C++, CSS, HTML, Java, Javascript, Linux, PHP, Python, Objective-C, Scheme, SQL, Unix

FRAMEWORKS & SYSTEMS

React, Redux, Xcode, Unity3D, AWS, Node, MongoDB, OpenCV