BRANDON DAVID

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https://brandonhudavid.com
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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

B.S. Electrical Engineering & Computer Science
Graduated December 2020
Technical GPA: 3.407

RELEVANT COURSEWORK

- Advanced Algorithms
- Data Structures
- React Development
- UI Design & Development
- iOS Development
- Database Systems
- Computer Architecture
- Artificial Intelligence
- Convex Optimization
- Discrete Math & Probability

SKILLS

FRONTEND

- React, Redux, JavaScript, HTML, CSS

LANGUAGES

- Python, Java, Go, C, Swift, Ruby, Scheme

OTHER

- SQL, Android Studio, Firebase, MongoDB, Node, Spark, MapReduce, Docker, Travis, Jenkins, Gherkin, Swagger, Assembly, Adobe Creative Cloud, Figma

EXPERIENCE

ADOBE
MARCH 2021 - PRESENT
WEB OPTIMIZATION DEVELOPER

- Deploy JavaScript A/B tests across Adobe.com.
- Develop experiences served to 770,000+ unique visitors via 4-week campaigns on Creative Cloud product pages.
- Led experimental development on Creative Cloud Express web page, improving product conversion rate by 50%.

OPTIMIZELY
JUNE 2019 - AUGUST 2019
SOFTWARE ENGINEER INTERN

- Implemented frontend changes in customer-facing React web application for customer onboarding and code samples.
- Created design docs, implemented idiomatic methods for JavaScript, Python, Ruby SDKs of A/B testing product.
- Improved security in Swift SDK by implementing SSL pinning with URLSession delegates to prevent MITM attacks.

HERE TECHNOLOGIES
JUNE 2018 - AUGUST 2018
RESEARCH ENGINEER INTERN

- Improved graph generation runtime by 95% by refactoring Python codebase with PyPy to optimize algorithm performance.
- Utilized RESTful APIs to aggregate LiDAR sensor data with panoramic highway photos.
- Developed PhD computer vision research tools to enable autonomous vehicle visualization of road features.

INNOVATIVE DESIGN (STUDENT ORG.)
SEPTEMBER 2017 - MAY 2020
STUDENT INSTRUCTOR

- Led weekly Introduction to Adobe Photoshop and Illustrator class of 30 students with no prior experience in digital design.

PROJECTS

TWITCH TWEETS
DECEMBER 2021 - PRESENT
https://github.com/brandonhudavid/twitch-tweets

React web game with 20,000+ unique players, fetches Twitter data to assess knowledge of famous live streamers.

- Implemented Twitter API to dynamically feature 64+ embedded Tweets from 8 renowned streamers.
- Developed frontend web page, backend analytics tracking, game logic, and design scheme.

STOCK OPTION MANAGER
JULY 2019 - AUGUST 2019
https://github.com/brandonhudavid/strangler

Python script that advises stock option strategies by retrieving data from companies' past earnings reports.

- Referenced NASDAQ earnings analysis to determine fiscal quarter ends and earnings report dates.
- Utilized Alpha Vantage's stock history API to retrieve open and close prices of stocks in previous quarters.

ENGAGE
SEPTEMBER 2018 - DECEMBER 2018
https://brandonhudavid.com/#/engage

Cross-platform mobile application that facilitates discussion between students and instructors in the classroom.

- Developed and designed iOS and Android versions through collaboration in team of 5 developers.
- Established Firebase backend to store data for Berkeley professors and classroom sections.

SAFELY
MARCH 2018 - MAY 2018
https://brandonhudavid.com/#/safely

iOS application helping users travel safely to destinations.

- Referenced Berkeley Police Department's crime activity dataset to determine and avoid dangerous routes.
- Used HERE Technologies's routing API to route users to destination with safest path possible.