

Brian Su

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EDUCATION **B.A. Computer Science, UC Berkeley | Expected May 2016**

Upsilon Pi Epsilon - CS Honor Society • UC Berkeley Leadership Award (2013) • GPA 3.57

Relevant Courses: Structure and Interpretation of Computer Programs, Data Structures, Discrete Math and Probability Theory, Tech Firm Leadership, Algorithms

WORK EXPERIENCE **Full-Stack Software Engineer Intern | Via Analytics | May 2014 - Aug 2014**

- Projected realtime bus tracking data onto Google Maps using d3.js and Google Maps API
- Worked on building and testing company's public API to access data on transit operators' routes, stops, and schedules
- Integrated transit customers in company's product ecosystem by implementing a static website hosting service for transit agency developed modules and a module management system using Django and AWS EC2 & S3
- Created dashboard that allowed transit agencies to upload their GTFS files onto company servers and validate the files for conformity to GTFS specifications

CS61BL Reader | UC Berkeley | June 2014 - Aug 2014

- Graded assignments by writing BASH scripts that automated the process of compiling, running, and assigning scores to student submissions

PROJECTS

bsu.me#projects

Habito.me

- Simplifying apartment hunting experience for college students by actively matching apartment listings with individual preferences
- Developed business model, drafted a business plan, and led design and development
- Deployed Django app onto Heroku and used AWS S3 to host static files

Smart Power Nap (Android)

- An app that optimizes for the ideal 25 minute power nap by starting a countdown alarm when user movement, measured using the phone's built-in accelerometer, has stayed below a certain calibrated threshold for a given amount of time.
- Has reached over 1,000 downloads from the Google Play Store; Built at Hacktech 2014

Simple Google Maps

- Used A* algorithm on top of a custom Graph API to render the shortest path between two waypoints given thousands of lines of road and location data parsed using regular expressions

Cal AP Credits (calapcredits.com)

- Built a site that calculated units earned, displayed requirements satisfied, and determined class standing based on the Advanced Placement test scores a Cal matriculate has received
- Received over 2,000 pageviews within 24 hours of launch on Berkeley 2018 Facebook page

Alarm Clock X (Android)

- Building an IOT alarm clock app that connects to GATT bluetooth sensors monitoring temperature, air pressure, humidity, ambiance, and other relevant metrics aimed to improve sleep (in progress)

SKILLS

Languages - Python (Preferred), Java, HTML, CSS, JS, C, MIPS, BASH, Postgresql

Frameworks - Android, Django, Bootstrap, jQuery (incl. AJAX), d3.js

Other - AWS (EC2, S3, RDS), nginx, Photoshop, Illustrator

LEADERSHIP **Web Development Chair | Upsilon Pi Epsilon | May 2014 - present**

- Leading team of 10 to design and develop a new website for the CS honor society
- Worked with Django, Postgres, nginx to create upe.berkeley.edu