Brian Su

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bsu.me | briansudo

EDUCATION

B.A. Computer Science, UC Berkeley | *Expected May 2017*

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*

Future: Software Engineer Intern @ Eko Devices (Jan - May 2015), Software Engineer Intern @ Apple (May - Aug 2015)

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 opitimizes 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*

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*