

Kurush Dubash

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EDUCATION

- ❖ **University of California, Berkeley – Berkeley, CA** *Expected Graduation: May 2017*
~ Major: Computer Science
 - ❖ **ABCO Technology – Los Angeles, CA** *Dec. 2008 – Feb. 2011*
~ Microsoft Certified System Engineer & Administrator, CompTIA A+
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EXPERIENCE

- ❖ **TubeMogul** – Software Engineering Intern ~ Programmatic Television Division *June 2016 - Aug. 2016*
 - ~ Implemented a data ingestion workflow using Amazon SWF + CRON triggers to fetch metric data across company.
 - ~ Implemented an audit log using SQL database checks & Liquibase scripts to ensure robustness & reliability.
 - ~ Used Amazon SWF to pre-compute ad metric calculations for Desktop and Mobile ad placements.
 - ~ Created the minimal viable product for the Cross-Screen Reporting Project; aggregates metric data across all screen types into one page in account for overlaps between screens.
 - ❖ **Blackbaud** – Software Engineering Intern *June 2015 - Aug. 2015*
 - ~ Created virtual environments & Images with Vagrant, Docker, and Virtual Box for developers of company software.
 - ~ Created scripts in BASH for automatic installation of Blackbaud's software independent of host's operating system.
 - ~ Implemented StatsD library to collect, monitor, and delete job in addition to other performance metrics.
 - ~ Enabled GZip compression on API client and on server side through Apache; implemented various bug fixes.
 - ❖ **Berkeley B-Side (Online Magazine : <http://berkeleybside.com>)** – Web Administrator *Mar. 2014 - Present*
 - ~ Used WordPress to publish music articles, manually modify design theme & UI layout, and (through WordPress plugins) maintain security of systems while implementing incremental and differential backups.
 - ~ Increased online presence for Berkeley B-Side magazine through social media and ad campaigns.
 - ❖ **KDB Productions** – Founder *Feb. 2010 - Present*
 - ~ Developed 15+ Mobile Applications for the WebOS operating system originally made by Palm.
 - ~ Awarded \$2000 for winning international "Palm Hot Apps" Competition for both Paid and Free Applications.
 - ~ Used online third party program to port apps onto Android and Blackberry mobile operating systems.
 - ~ To Date: WebOS Downloads → 300,000+ | Android Downloads → 225,000+ Downloads
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PROJECTS

- ❖ **DreamSpace** [In Progress] – Team Leader / UI Engineer *Aug. 2016 - Present*
 - ~ Project Manager for a team of four; created web application & managed mobile app allowing users to log their dreams using two sources of input: written text or through spoken audio which is instantly transcribed.
 - ~ Uses Firebase for authentication, database, and hosting storage across web/mobile platforms.
 - ~ Created the user interface of the web app using AngularJS & Bootstrap with JQuery + JavaScript for functionality.
 - ❖ **CleanTweets** (<http://cleantweets.me>) – Back-end Engineer *Aug. 2015*
 - ~ Requires user to login with Twitter and surfs user's tweets for vulgar, inappropriate, and unprofessional tweets.
 - ~ Displays tweets found that are 'flagged' as vulgar; gives user the option to delete all such tweets with one button.
 - ❖ **Weather Torch Lamp** – Back-end Engineer *Jul. 2014 – Sept. 2014*
 - ~ Linked a Wi-Fi microcontroller to a programmable LED strip in a helix formation to display a flame-like animation.
 - ~ Implemented a Python Script that fetches data from a weather API (temperature & wind-speed) in JSON which effectively controls the color, speed, and animation of the LED lamp (blue for cold, red for hot temperatures).
 - ~ Developed a fading transition algorithm that gradually changes the LED Lamp from one color to another.
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SKILLS

- ❖ **Excellent:** Java, Python, C, SQL, BASH, Unix, Git, Vagrant, WordPress, Photoshop
- ❖ **Proficient:** HTML, CSS, JavaScript, Docker, StatsD, Video Editing, Network Administration