PRANSU DASH

pransudash@gmail.com (408) 439-4105 www.pransudash.me San Francisco Bay Area

EDUCATION

University of California, Berkeley - B.A. Computer Science, CS GPA 3.7 *August 2016 - May 2019 (expected)*
- *Completed Coursework:* Linear Algebra and Differential Equations, **Data Structures** and Algorithms, Discrete Math and Probability Theory, Machine Structures/Computer Architecture, Intro. Electrical Engineering, **iOS Development** DeCal (student-run course)
- *In Progress:* **Algorithms** and Intractable Problems, Intro to **Database Systems, Data Science and ML**

WORK EXPERIENCE

Financial Engines - Software Engineer Intern, *Sunnyvale CA* *June 2017 - August 2017*
- Completed POC to update the process used to generate all marketing print communications, to be phased into production via AWS
- Created new Angular-based graph generation service to create charts for print communications based on JSON user data
- Automated the conversion of the company-wide Postscript data archival system to use PDF and store in AWS after doing a cost analysis to demonstrate the significant benefits
- Worked with AWS Lambda, S3, Kinesis as well as Java, Angular, Javascript, SQL Server, Bash Scripting

Scry Analytics - Natural Language Processing Research Intern, *San Jose CA* *June 2015 - August 2015*
- Prototyped a natural language processing module for real-time lexical analysis of clients' customer service phone conversations
- Completed a MVP that used the open-source Sphinx speech recognition library with custom additions relevant to the project
- Worked on a market analysis for product development within a 2 month time frame

DabKick - Android Developer, *Cupertino CA* *June 2014 - August 2014*
- Migrated video playing and sharing features from Dabkick's iOS app to Android
- Integrated YouTube video support and used Google APIs to support VEVO music videos
- Used the OpenYouTubePlayer API to implement a video search feature in the app

PROJECTS

LawyerUp, *Startup Venture* *July 2016 - Present*
- Web and Mobile app that connects lawyers and clients using keyword recognition and location-based, contextual search
- Built front end of website with HTML, CSS, jQuery, and Bootstrap; back end with Google Firebase

IoT Keys, *UC Berkeley IoT Hackathon* *November 2016*
- Project was a virtual key as means of access to different locks by using a smart phone as the internet-enabled key
- I worked on the electronic lock system hardware, used an HTTP server via Heroku for signal/data transfer, and built the entire Android application for our demo

Traffic Control Improvement Research, *Science/Engineering Fair Project* *November 2015 - March 2016*
- Built a model that was trained with local traffic metrics, clustered drivers with similar destinations and driving styles together using a k-means algorithm, and redirected each cluster along a unique route for more efficient vehicle traffic management
- Won IBM Award for Computing at 2016 Santa Clara Valley Science and Engineering Fair

Smart Gun, *Science/Engineering Fair Project* *November 2014 - March 2015*
- Modified a toy gun to model my smart gun which is automatically disabled when near a school
- Used Arduino Uno and Spark Core WiFi module to control a lock on a personal firearm when near a school WiFi using UUIDs

SKILLS

Skill	Rating	Skill	Rating	Skill	Rating
Java	●●●●●	**Python**	●●●●○	**C/C++**	●●●○○
SQL	●●●○○	AWS Dev	●●○○○	Swift	●●●○○
iOS Dev	●●●●○	Android Dev	●●●○○	AngularJS	●○○○○
HTML	●●●●●	**CSS**	●●●●●	**Javascript**	●●●○○
Arduino	●●●●○	**Git**	●●●●●	Bash Scripting	●●○○○
Apache Spark	●●○○○	Assembly	●●●○○		

AWARDS AND RECOGNITION

AP Scholar with Distinction	*2016*
Silicon Valley DECA - First Place Entrepreneurship Written Plan	*January 2016*
Santa Clara Valley Science and Engineering Fair - IBM Award for Computing	*March 2016*
Santa Clara Valley Science and Engineering Fair - 2nd Place in Engineering	*March 2015*
FIRST Robotics Competition World Championships Qualifier	*2012, 2013, 2014*