Pransu Dash

pransudash@gmail.com *(408) 439-4105* *www.pransudash.com* *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, **Data Structures**, **Algorithms**, Discrete Math and Probability Theory, Computer Architecture, Intro. Electrical Engineering, **iOS Development** DeCal (student-run course), **Data Science DeCal**
- *In Progress:* Artificial Intelligence, Probability, Multivariable Calculus

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

Projects

LawyerUp, *Startup Venture* ***July 2016 - Jan 2017***

- 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

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

Java	●●●●●	**Python**	●●●●●	**C/C++**	●●●○○
Git	●●●●●	**iOS Dev**	●●●○○	Swift	●●●○○
SQL	●●●○○	Web Dev	●●●○○	Android Dev	●●○○○
Spark	●●○○○	AWS Dev	●●○○○	R/Rstudio	●●○○○

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***