

PRANSU DASH

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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

August 2016 - January 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

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

Java ●●●●●
iOS Dev ●●●○○
SQL ●●●○○
Apache Spark ●●○○○

Python ●●●●●
Git ●●●●●
Android Dev ●●●○○
AWS Dev ●●○○○

C/C++ ●●●○○
Swift ●●●○○
Assembly ●●●○○
Web Dev ●●●●○

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