PRANSU DASH

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EDUCATION

University of California, Berkeley - B.A. Computer Science   *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

UC Berkeley, Haas School of Business - Research Assistant, *Berkeley CA*   *January 2018 - Present*
- Currently working on parsing metrics from public Facebook profiles for fake activity detection
- Working towards a smart, predictive model to eliminate false inflation of advertisement clicks

Financial Engines - Software Engineer Intern, *Sunnyvale CA*   *June 2017 - August 2017*
- Completed POC to update the process of generating all marketing print communications, to be phased into production
- Created a new, Angular-based graph generation service to create charts 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 NLP module for real-time lexical analysis of clients' customer service phone conversations
- Completed MVP that used the open-source Sphinx speech recognition library in Java
- 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

Skill	Level	Skill	Level	Skill	Level
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*