Pransu Dash

pransudash [at] gmail [dot] com **REDACTED** *www.pransudash.com* *San Francisco Bay Area*

Education

University of California, Berkeley - B.A. Computer Science ***August 2016 - May 2020 (expected)***

- *Completed Coursework:* **Data Structures**, **Algorithms**, Discrete Math and Probability Theory, Computer Architecture, Intro. Electrical Engineering, **iOS Development** DeCal (student-run course), **Data Science** DeCal, Artificial Intelligence, Concepts of Probability
- *In Progress:* Operating Systems, Internet Architecture, Probability and Random Processes

Work Experience

UC Berkeley Haas School of Business - Research Assistant, *Berkeley CA* ***January 2018 - September 2018***

- Currently working on parsing metrics from self-curated Facebook adverstisements for fake activity detection
- Working towards a smart, predictive model to eliminate false inflation of advertisement clicks

Microsoft - Software Engineering Intern, *Greater Seattle Area* ***May 2018 - August 2018***

- Full stack development for Visual Studio Team Services (Typescript, C#, **React**, **Redux**, jQuery)
- Agile work enviroment, shipped major user-requested features

Financial Engines - Software Engineering Intern, *Sunnyvale CA* ***June 2017 - August 2017***

- 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

Projects

Stock Predictor **November *2018***

- Python notebook and library to predict future stock prices for instruments traded in any sector on NASDAQ
- Built out feature extraction module for single stock time series using Quandl, Pandas, and Technical Analysis libraries. Ran regression models as well as random forest, HMM, and SVM models using Scikit-learn.

Traffic Control Improvement Research **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

Sensor Networks for Gun Control **March *2015***

- Modified a model gun to be automatically disabled in public areas, specifically schools
- Used Arduino Uno and Spark Core WiFi module to receive sigal from a modeled mesh network around a school to control the physical lock on a firearm to render it unusable in such a public area. This could also allow for selective control of who can use a purchased firearm.

Skills

Java	●●●●○	**Python**	●●●●○	**C/C++**	●●●○○
Git	●●●●○	**iOS Dev**	●●●○○	Swift	●●●○○
SQL	●●●○○	NumPy	●●●○○	Scikit-learn	●●○○○
Pandas	●●○○○	R + RStudio	●●○○○	AWS Dev	●●○○○