Pransu Dash

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Education

University of California, Berkeley - B.A. Computer Science **Aug 2016 - May 2020**

Selected Coursework: **Data Structures**, **Algorithms**, **Operating Systems**, **Privacy Engineering, Databases, Machine Learning, Computer Security**, **Artificial Intelligence,** Internet Architecture, Advanced Probability Theory, Computer Architecture, Introductory Data Science

Work Experience

Atlassian **San Francisco, CA**
Data Engineering Intern **May 2019 - Aug 2019**

- Configured a daily Airflow job to ingest Google Ads data required to support performance marketing teams
- Automated and decreased latency of an n-gram analysis of large datasets of domain-specific content while working closely with the data science team (**NumPy, sklearn, Spark ML Lib**)
- Built full stack microservice for external marketers to better track customer acquisition channels

UC Berkeley **Berkeley, CA**
Undergraduate Researcher **Jan 2018 - Sept 2018**

- Worked on parsing metrics from Facebook profiles curated from a experimental pages with paid advertisements to detect fake activity and to build a social network graph
- Trained a regression and random-forest model to predict if a particular user is fake

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

- Full stack development for Visual Studio Team Services, now called Azure Boards (Typescript, C#, **React**, **Redux**)
- Worked in an Agile environment and shipped major user-requested features with web performance improvements

Projects

Secure File Share System **February *2019***

- Built a secure file sharing system, similar to Dropbox (only command line interface), using **GoLang**
- Implemented **secure authentication, fast file system, file sharing** that is impervious to MITM attacks and eavesdroppers

Stock Predictor **November *2018***

- Wrote out a Python notebook and library to predict future stock prices for instruments traded in any sector on NASDAQ, given sufficient data points
- Built 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.
- Named one of the **top projects** in UC Berkeley's Advanced Probability and Random Processes (EE 126) course

Skills

Java, Python, C, NumPy, Scikit-learn, Pandas, R, RStudio, Git, JavaScript, TypeScript, React, Flask, SQL