

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, Databases, Machine Learning, Artificial Intelligence, Advanced Probability Theory, **Computer Security**, **Natural Language Processing**, Computer Graphics, **Privacy Engineering**, **Databases**

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 a full stack microservice for external contractors to 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
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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
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SKILLS

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