Cameron Malloy

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Education

University of California, Berkeley Expected Graduation: May 2020

B.A – Applied Mathematics, Focus in Economics
B.A – Data Science, Focus in Mathematical Modeling
GPA: 3.52
Relevant Coursework: Machine Learning, Data Science and Data Analytics, Probability Theory, Hypothesis Testing, Numerical Analysis, Linear Algebra

Skills

Languages	Python (Pandas, Sci-Kit Learn), R, SQL, Spark, Java, JavaScript, ReactJS
Algorithms	SVM, LDA/QDA, Logistic Regression, Linear Regression, Random Forests, KNN, Regularization, Kernelization, A/B Testing, and some experience with CNNs
Technical	AWS S3/Athena/EMR, Excel, Postgres SQL, Heroku

Experience

Proofpoint – Data Science Intern Jun 2019 – Aug 2019

- Developed a method to stop spam attacks from customers when they're compromised
- Created an algorithm that improves spam decisions from compromised accounts from 0% to 80%
- Designed detection system that finds compromised accounts
    - Finds 20% more compromised accounts that went undetected with the current system
    - Catches all compromised accounts who spam

Google (Contract) – Data Science Engineer & Marketing Analyst Jun 2018 – Dec 2018

- Led the formation of propensity to buy and expand models for a subsidiary company, Apigee
    - Implemented predictive models that determined whether a potential buyer will buy a product and whether an existing buyer would upgrade their current subscription
    - Propensity to buy model is granular enough to be sales stage specific
    - *Results over a 5-month period found ~85% and ~70 accuracy for propensity to buy and expand models respectively*

San Francisco State University – Research Intern May 2017 – Aug 2017

- Let a team of three to develop three robust models that predicted a user's hand gesture in real time
- Performed simulated, real-user tests and deployed models to a fully developed Android Application
- *Best Diverse Paper Award (Zone IV)*

Personal Projects https://github.com/cameronmalloy

Spotify Song Recommendation System Jun 2018

- Used Euclidian distance, KNN methodology, and Spotify's API to gather songs similar to a user's playlist

Where Should I Eat? Juxtaposing Restaurants in Berkeley Mar 2019 – Apr 2018

- Analyzed the differences in price of Berkeley restaurants through Yelp's API and Permutation Testing

Teaching

Teaching Assistant – *CS 61A: Introduction to Computer Science* Fall 2019, Spring 2019, Summer 2019

Lab Assistant – *Data 8: Introduction to Data Science* Summer 2018