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: 3.61
Relevant Coursework: Machine Learning, Deep Neural Networks, Hypothesis Testing, Time Series, Urban Data Analytics, Probability Theory, Numerical Analysis, Linear Algebra, Mathematical Economics

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, CNNs/RNNs/LSTMs/BERT
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
  - Improved spam detection from compromised accounts by 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) – Machine Learning Engineer - Marketing	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 – Machine Learning 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)*

Teaching

Teaching Assistant – *CS 88: Intro to CS in Data Science*	Spring 2020
Teaching Assistant – *CS 61A: Introduction to Computer Science*	Spring Fall, Spring 2019, Summer 2018
Lab Assistant – *Data 8: Intro to Data Science*	Summer 2018
Outstanding (under)Graduate Student Instructor	2019 – 2020