**Cameron Malloy**

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| iicmalloy@berkeley.edu | [www.linkedin.com/in/cameron-malloy](http://www.linkedin.com/in/cameron-malloy) | [cameronmalloy.github.io](https://cameronmalloy.github.io/) | 650.208.5612 |

Education

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| i **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

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| **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

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| i **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

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| i **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*

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| i **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

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| i **Teaching Assistant** – [*CS 88*](https://cs88-website.github.io/)*: Intro to CS in Data Science* | Spring 2020 |

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| i **Teaching Assistant** – [*CS 61A*](https://cs61a.org/)*: Introduction to Computer Science* | Spring Fall, Spring 2019, Summer 2018 |

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| i **Lab Assistant** – [*Data 8*](http://data8.org/)*: Intro to Data Science* | Summer 2018 |
| i [*Outstanding (under)Graduate Student Instructor*](https://gsi.berkeley.edu/programs-services/award-programs/ogsi/ogsi-2020/) | 2019 – 2020 |