Emily O. Gee

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Education

University of Maryland - College Park, MD — Aug 2016 - May 2020
B.S. Operations Management & Business Analytics, and Information Systems
Honors College - University Honors citation; Dean's scholarship

Experience

Data Scientist, *Facebook* - Seattle, WA — Aug 2020 - Present

Teaching Assistant, *University of Maryland* - College Park, MD — Jan 2020 - May 2020

- TA for BMGT431 (Data Analytics)
- Helped students with data mining foundations and techniques in R, including regression, classification, clustering, and neural networks
- Graded homework assignments and held weekly office hours

Data Science Intern, *Facebook* - Menlo Park, CA — May 2019 - Aug 2019

- Explored different user segments to understand product-market fit for new feature by querying, aggregating, and analyzing large datasets
- Applied NLU models to build data pipeline with predictions of commerce intent to gain insight on organic product usage
- Developed machine learning models in Python to classify Facebook stories and determine feature importance

Data Analytics Intern, *Facebook* - Menlo Park, CA — Jun 2018 - Aug 2018

- Interpreted online behavioral advertising data to determine prioritization for the Ads Ranking Return On Ad Spend product
- Proposed product recommendations to cross-functional partners and senior members

Projects

Analysis of Affordable and Sustainable Housing - *UMD Data Challenge* — Feb 2020

- Analyzed datasets of households enrolled in rental subsidy programs in 2009, 2014, and 2018 to show changes over time
- Built logistic regression model and classification tree in R to classify households into programs based on demographic and external variables, achieving 58% accuracy
- Highlighted the environmental, social, and economic importance of affordable housing for low-income families

Predicting Kickstarter Project Success — Nov 2019 - Dec 2019

- Cleaned and analyzed a dataset with details of over 300,000 Kickstarter projects
- Trained a kNN model to classify projects as successful or unsuccessful with 99% accuracy
- Compared model results and performance measures with other group members' methods to determine best classification procedure

Skills

SQL, Python, R, Presto, HTML/CSS, JavaScript, SQL Server, VBA, Excel, Git