

Emily O. Gee

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Experience

Data Scientist, *Meta (formerly Facebook, Inc.)* - Seattle, WA Aug 2020 - Present

- Real-time communication media quality and infrastructure for audio/video calling on Messenger and the family of apps

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
- Leveraged 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
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Projects

Spotify Track Analysis Dec 2020

- Explored changes in audio characteristics in music over the last century (e.g. tempo, energy, explicit content) using a dataset with metrics of 170,000+ Spotify tracks from 1921-2020
- Predicted whether or not a track from 2019-2020 is considered popular or not with logistic regression, SVM, and XGBoost

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
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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

Skills

SQL, Python (pandas, numpy, scikit-learn), Presto, R, Git, HTML/CSS

Product analytics, experimentation, statistical inference, data visualization