Dave Friedman

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https://DaveFriedman.github.io

EXPERIENCE

Software Developer L1   Jan 2019 – Dec 2021
Oakroot Consulting Co   New York, NY
- As part of a multidisciplinary team, wrote code to deliver product features and business intelligence for clients with diverse needs and demanding timeframes.
- Wrote Python scripts to extract, transform, and load data from multiple sources into a PostgreSQL database, enabling easier analysis and presentation via reports and dashboards.
- Grew client's userbase by 22% over quarterly projections by identifying trends in advertising and user acquisition data, using Python, Pandas, and MatPlotLib in Jupyter notebooks.
- Improved developer productivity by writing clear and concise docs for pre-existing and new code.

Data Analyst Intern   Aug – Dec 2018
Oakroot Consulting Co   New York, NY
- Achieved a 7% increase in opened emails and a more accurate user count for client by cleaning and deduplicating PostgreSQL database, using Python and SQL.
- Analyzed weekly KPI data and summarized key trends for stakeholders using Excel.

PROJECTS

Network: https://network.dmfstuff.xyz   2022
- A social network site for users to write and edit posts, Like and Dislike posts, and follow others.
- Built with Django, JavaScript, SQLite, Bootstrap. Deployed with uWSGI, Nginx on AWS.

Commerce: https://commerce.dmfstuff.xyz   2022
- An auction site for users to list items, and bid, bookmark, and comment on listings.
- Built with Django, SQLite, and Bootstrap. Deployed with uWSGI and Nginx on AWS.

Homepage: https://DaveFriedman.github.io   2022
- Personal portfolio, includes additional projects.
- A static site, built with HTML & CSS. Deployed on Github Pages.

FIND: Filter Noisy Data   2018
- A tool to silence noisy data, by filtering data through an ensemble of machine learning algorithms (Decision Trees-J48, Naïve Bayes, Random Forest).
- Prototyped using Pandas and Scikit-Learn in a Jupyter notebook, then refactored as a CLI script.
- Presented at the 2018 Metro NY meeting of the Mathematical Association of America, funded by the National Science Foundation, supervised by Dr. Ashwin Satyanarayana.

EDUCATION

CUNY NYC College of Technology   2018
B.S. Applied Mathematics, A.S. Computer Science   Brooklyn, NY
- **GPA:** 3.4/4.0
- **Major coursework:** Data Warehousing & Mining, Discrete Structures & Algorithms, Distributed Database Design, Mathematical Modeling & Optimization, Stochastic Models

SKILLS

Web Development	Python (Django), JavaScript, HTML, CSS, Bootstrap
Web Deployment	Git, Github (Actions), Nginx, uWSGI, Docker, Amazon Web Services
Databases	SQL, SQLite, PostgreSQL, pgAdmin
Data science	Python (Pandas, Scikit-Learn, MatPlotLib), Jupyter, R, LaTeX, Excel