

Dave Friedman

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<https://github.com/DaveFriedman>

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.
- 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.
- 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

- 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.
- Analyzed weekly KPI data and summarized key trends for stakeholders using Excel.

Research Intern

Jan – June 2018

Dr. Ashwin Satyanarayana

Brooklyn, NY

- Implemented FIND (Filter Noisy Data), 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 conference of the Mathematical Association of America.
- Funded by the National Science Foundation.

PROJECTS

Portfolio: <https://davefriedman.github.io>

Jan 2022 - Present

- Refined and expanded knowledge of full-stack web development by building and deploying sites using a variety of tech stacks. Built with HTML, CSS and JavaScript. Deployed on Github pages.

Todo: <https://todo.dmfstuff.xyz>

- An illustrative, robust CRUD app that follows 12-factor methodology and best practices.
- Built with Django, Bootstrap, and PostgreSQL. Email delivery by AWS SES. Uses Github Actions to continuously integrate and deploy Docker containers of Nginx, Redis and Unicorn on AWS.

Base64Direct: <https://davefriedman.github.io/base64direct>

- A utility that decodes base64 text to ASCII text, then directs users to the anticipated ASCII URL.
- Built with HTML, CSS, and JavaScript. Deployed on Github pages.

EDUCATION

CUNY NYC College of Technology

Jan 2015 – Dec 2018

B.S. Applied Mathematics, A.S. Computer Science

Brooklyn, NY

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, LaTeX, R, Excel