

Yasmine Kamel

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EDUCATION

Brooklyn College, City University of New York (CUNY)

Bachelor of Science in Computer Science | GPA: 3.7 *Dean's List*

Brooklyn, NY

Expected June 2021

Relevant Coursework:

Discrete Structures and Algorithms, C++ Programming, Database Fundamentals (SQL), Java, Data Structures, Information Security, Introduction to Robotics, Computer Architecture

SKILLS

Programming: Python, Javascript, Java, SQL, HTML, CSS

Technologies: Jupyter Notebook, Scikit-learn, Django, Django REST, Dash Web Framework, Pygame, React.js, Material-UI, VS Code, Git/GitHub, Windows, Linux(Ubuntu)

Spoken Languages: English, Arabic (native)

PROJECTS

Listen Party ([Link](#))

January 2021

- Built web application enabling users to listen to host and attend virtual music and podcast listening parties
- Implemented backend logic using python and the Django REST Framework. Implemented application schema and CRUD operations with Django ORM and Sqlite
- Implemented user interface and frontend logic using React.js and the Material-UI library
- Leveraged Spotify's Web API and Web Player SDK to facilitate user authentication, to get playback data, to affect playback-state changes, and to enable content streaming through the browser
- Deployed the application using Python Anywhere

NYPD Complaints Navigator ([Link](#))

November 2020

- Worked as part of a 2 member team to implement a data visualization "dashboard" application, that enables users to filter and analyze data regarding civilian complaints against members of the NYPD,
- Used Pandas and Numpy for data wrangling and analysis of a dataset containing 12k complaints and over 30k allegations
- Leveraged Plotly Graphing Library to generate interactive visualizations and Google Geolocation API to populate data-frames with geographic for map visualizations
- Used the Dash Components to build the user interface including interactive input and visualization toggling features
- Styled the dashboard using the Dash Bootstrap Components library and deployed it using Heroku

RELEVANT EXPERIENCE

CUNY Tech Prep

New York, NY

Data Science and Machine Learning Fellow

Jun 2020 – Present

- Selected for a technical training program, as one of 183 students out of 400+ applicants
- Learn in-demand technologies like Jupyter-Notebook, Pandas, SQL, Scikit-Learn, and TensorFlow as well as industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & Scrum with Trello and Slack, test driven development, and CI/CD
- Learn data and machine learning algorithms from scikit-learn as well as data visualization using matplotlib and seaborn

SUPPORTING EXPERIENCE

Pace University, Women's and Gender Studies Department

New York, NY

Program Coordinator

Oct 2019 – Present

- Manage department student database using Excel as well as listservs, including subscriber and message management
- Handle University Procedures for listing courses, enrollment, and grade modification.
- Manage and update department WordPress Edublog

Disability Rights New York Inc., Protection and Advocacy for Voting Access (PAVA)

New York, NY

Voting Access Advocate

Aug 2016 – Aug 2018

- Conducted poll site accessibility assessments based on Department of Justice ADA guidelines
- Generated visualizations of accessibility survey data using Excel. Composed and published reports on state of voting accessibility in various NY counties, including recommendations for access improvements

ASSOCIATIONS

Executive Board Member, Brooklyn College Women In Computer Science Club

January 2020 – Present

- Manage club listserv and compose regular club newsletters to be disseminated to several hundred student membership
- Co-organize panels and workshops on coding and other technical skills and diversity in tech