

# MIRANDA CASAN

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## EDUCATION

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### Queens College, City University of New York (CUNY)

Bachelor of Arts in Computer Science, Minor in Graphic Design & Japanese

Flushing, NY

Expected December 2023

### LaGuardia Community College, City University of New York (CUNY)

Associates Degree in Computer Science | GPA: 3.0

Long Island City, NY

May 2020

#### Relevant Coursework:

Design and Analysis of Algorithmics, Data Structures, Computer Organization, Theory of Computation, Database Systems

## TECHNICAL SKILLS

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**Programming Languages:** C++, Java, HTML, CSS, Python, JavaScript, MATLAB

**Technologies:** Jupyter Notebook, Spyder, Numpy, Scikit-learn, Git/GitHub, Flask, Adobe Photoshop, InDesign, Windows, Linux, Heroku, Docker, IntelliJ IDEA, SQL Server Management Studio, PostgreSQL, Node.js, Figma, Django, React

**Certifications:** Udemy's Discrete Structures, Data Structures, and Algorithms, January 2022; Udemy's The Modern Python 3 Bootcamp, February 2022; Inspirit's Innovators Machine Learning Track, August 2022

**Spoken Languages:** Spanish (Native), Japanese (Intermediate)

## PROJECTS

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### Sharall, A Multi-List Web App | [View](#)

February 2023

- Developed one responsive web application using Django that includes a to-do list, wish list, and cook list to organize tasks, recipes, and wish list items
- Built three input features using Python and integrated them with a PostgreSQL database backend. The features enabled users to input and store long strings of text
- Deployed a web application using Railway, a cloud hosting platform, to provide a user-friendly environment for end-users

### Education Levels in USA and NYC | [View](#)

May 2022

- Gathered and examined data from two CSV files (US Census and Worldview) to gain insights on education in the USA
- Presented in CUNY Tech Prep, with Python created two geoJSON maps in Jupyter Notebook which imported data using numpy and pandas, one map centered on the NYC boroughs for people of 25 years and over who has a bachelor's degree, the other map emphasized on the education score in the US states

## EXPERIENCE

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### DNR Studios

Tech Intern

New York, NY

July 2022 - August 2022

- Collaborated with a team of 5 to enhance existing mobile and web applications
- Modernized a podcast app using 8 user-centric designs in Figma and cross-platform compatibility using Xamarin for both iOS and Android
- Incorporated new game features using JavaScript, HTML, and CSS in a web-based solitaire game

### CUNY Tech Prep

Fellow, Data Science

New York, NY

June 2021 – May 2022

- Selected for a technical training program, as one of 183 students out of 400+ applicants
- Learn in-demand technologies like Python 3, Jupyter Notebooks, Pandas, Numpy, Scikit-learn, and SQL as well as industry best practices for exploratory data analysis (EDA), feature engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, data science process, and big data

### CUNY Tutors Corps

College Assistant

Brooklyn, NY

August 2019 – June 2021

- Mentored and supported 20+ high school students at Bronx Center for Science and Mathematics with STEM courses that covered topics: Python, Algorithms, Data Structures, Algebra, Trigonometry, etc
- Optimized communication with 8+ high school teachers and Tutor Corps Instructional Services Manager through regular meetings and emails, resulting in improved scheduling, better classroom visits, and timely resolution of issues