

# MIRANDA CASAN

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## EDUCATION

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**Queens College, City University of New York (CUNY)** - Flushing, NY

Expected December 2023

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

Relevant Coursework: Design & Analysis of Algorithmics, Data Structures, Theory of Computation, Database Systems, Operating Systems Principles

## TECHNICAL SKILLS & CERTIFICATIONS

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

**Technologies** : React, Bootstrap, Django, Flask, REST API, Node.js, PostgreSQL, MongoDB, MySQL, SSMS, AWS Amplify, Railway, Numpy, Scikit-learn, Adobe Photoshop, InDesign, Figma, Xamarin, Windows, Linux, Git, Docker

**Certifications** : Udemy's The Modern Python3 Bootcamp, February 2022; Inspirit's Innovators Machine Learning Track, August 2022; CodePath's Intermediate Web Development, May 2023

## EXPERIENCE

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**DNR Studios - Tech Intern** | New York, NY

July 2022 – August 2022

- Modernized a podcast app using 8 user-centric designs in Figma and cross-platform compatibility using Xamarin for both iOS and Android
- Created a captivating web-based solitaire game using JavaScript, HTML, and CSS, implementing engaging features that significantly boosted user engagement
- Accomplished the enhancement of existing mobile and web applications by collaborating with a team of 5, resulting in improved user experience and increased functionality for the project

**CUNY Tech Prep - Fellow, Data Science** | New York, NY

June 2021 – May 2022

- Developed skills related to technologies like Python, 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
- Selected for a technical training program, as one of 183 students out of 400+ applicants

**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, and timely resolution of issues

## PROJECTS

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[Dogs Around the World](#)

August 2023

- Built one interactive web app employing React to enable users to explore diverse dog breeds and temperaments
- Hosted the web application on AWS Amplify demonstrating skills in cloud-based deployment and infrastructure management
- Utilized a REST API (Dog API) to create dynamic user experiences, enabling users to explore various dog breeds and their temperaments, while implementing features such as randomized API calls and ban lists for attribute-filtering

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

March 2023

- Established 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