

# TANZIL HASSAN

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## EDUCATION

**John Jay College of Criminal Justice, City University of New York (CUNY)**

Manhattan, NY

Bachelor of Science in Computer Science & Information Security | GPA: 3.895/4.00

June 2022

### Relevant Coursework:

Object-Oriented Programming, Computer Algorithms, C++ Programming, Computer Architecture, Advanced Data Structures

## SKILLS

**Programming:** HTML, CSS, JavaScript, React, Node.js, Express, NextJS, SQL, Typescript

**Technologies:** Git/GitHub, Bootstrap, Tailwind, Daisy UI, MongoDB, PostgreSQL, Firebase, Redux Toolkit

## PROJECTS

**Woodside Bazaar** [Github Repo](#) | [Live Demo](#)

- Implemented a Typescript/Next JS ecommerce application that allows users to buy groceries
- Tailwind/Daisy UI used for styling & redux toolkit to manage product state throughout application
- Stripe handles user cart payments, can view order details in stripe dashboard

**ANI-MANGO** [Github Repo](#) | [Live Demo](#)

- Developed a Jikan-API based application that search & display anime, as well as provide information about chosen titles
- Utilized React JS & Tailwind CSS to design general features of the application and Context API to manage authentication and dark mode
- Firebase manages user account registration & Firestore keeps track of every users bookmarked title list

**AptTalk** [Github Repo](#)

- Built a social-media application that allows users to interact with each other & discuss real estate
- Used React JS & CSS modules to design all components, and React-Query to manage API calls
- REST API created using Node, Express & PostgreSQL which manages information between all data tables

**QC TROPA Club** [Github Repo](#) | [Live Demo](#)

- Built a website in a team of 2 for the Queens College TROPA Club to help boost their online presence
- Developed the user interface using HTML, CSS, Bootstrap, & Javascript to organize all club information such as social media accounts, events, e-board positions, and photos

## RELEVANT EXPERIENCE

**CUNY Tech Prep**

New York, NY

Fellow, Software Development

June 2021 – May 2022

- Learn in-demand technologies like React, Node + Express, and PostgreSQL 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

**CAOE Summer Experience Quantitative Analytics**

Remote

Quantitative Analysis Research Intern | *Center for Accelerating Operational Efficiency*

June 2021 – July 2021

- Researched projects centered around topics such as TSA security checkpoints modeling and security checkpoint staffing
- Used Excel, Arena, Netlogo, and Matlab to mock up different airport configurations to determine best model
- Performed cost-benefit analysis on airport resource allocation and presented findings to program faculty & TSA officials

**EverUp Data Analytics Micro-Credential**

New York, NY

Data Analytics Student | *New York Jobs CEO Council*

Dec 2020 – Jan 2021

- Performed data extraction, data wrangling, and data visualization using tools such as Python, SQL, Github, and Tableau
- Developed projects such as COVID data analysis, Machine learning model (KNN/RandomForest Method), SQL video reviews, and a series of Tableau projects including a "Game of Thrones" death visualization story

## ASSOCIATIONS

**John Jay Computer Science Society Club**

New York, NY

Secretary

August 2021 – June 2022

- Keep records of all club events and members, and draft all agendas for general meetings
- Responsible for weekly club emails, club room maintenance, and booking space for events

**Queens College FLIGHT Club**

September 2018 – May 2020