

## **Education:**

### ***New York Institute of Technology***

Relevant Coursework: Computer Programming 1 & 2, Digital Logics

Clubs/Activities: Biomedical Research Assistant, ACM Member, IEEE Member

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***Expected May 2028***

GPA: 4.0

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## **Relevant Experience:**

### **Accenture**

#### ***Innovation Technology Apprentice***

***Oct 2022 - July 2025***

- Worked with a team of 10+ people to develop the backend processes of an AI digital twin conversation demo, utilizing AWS services such as **SageMaker**, **Lambda**, and **DynamoDB** to run **RAG** and other generations using **Llama2**. This was showcased to **138k people** at **CES 2024** (Consumers Electronics Show). This was awarded the **“Best use of GenAI” Award** by Billboard
- Presented **8+ XR, GenAI, and Robotics demos** to Managing Directors & clients, pitching tech use cases for their businesses
- Developed tech hotspots in the office, highlighting key tech trends to the **5k employees and clients** that visit every day.
- Designed and managed over **10+ demos** such as AI-powered photobooths, brain-computer interfaces, and hardware-software integrations involving **3D printing, soldering, and embedded systems**, demonstrating versatility and technical depth
- Led development on our Robot dog backend with a team of 3 people when our lead was unavailable, solutioning and architecting the backend of our robot project. Utilized services such as **AWS IoT** to connect the robot dog backend to the frontend of our app and connect it to an LLM to analyze and answer questions on its surrounding environment.
- Deployed full-stack web applications using **React and Flask** to demonstrate **ComfyUI** AI image generation, hosted on **Azure App Service**, emphasizing cloud deployment and front-end/back-end development skills
- Created immersive VR experiences with **Unity**, including room localization and interactive virtual objects, demonstrating hardware and software integration under tight deadlines
- Utilized Scrapy and Selenium to web scrape all exhibitors and events happening at **CES**, including over **4.3k** exhibitors and **250** different events going on that was later converted to a **Vector Database** for LLM to use for **RAG**.

### **FIRST**

#### ***Software Mentor***

***Jan 2025 - Apr 2025***

Assisted the development of **10+ high school students** across three FRC teams learning to code through FIRST

- Mentored **3x a week** over the course of **4 months** while in college and working
- Introduced Java and robotics concepts such as PID, FeedForward, Computer vision and April Tag Localization, and debugging

#### ***Programming Team Lead/Team Member***

***Oct 2021 - Apr 2024***

- Built & led our robot's software for the 2024 season, allowing us to be ranked **7th in estimated performance** and **4th in ability to score autonomously** out of over **3000** teams worldwide
  - Maintained our code throughout the competition, adjusting over a **dozen** parameters and building **5 new autonomous routines** to ensure best performance throughout the competition
  - Trained students in robotics programming by teaching, creating videos, and presenting. This affected over **30 students** and accrued over **5k views** on Youtube
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## **Projects:**

**Portfolio:** As my Apprenticeship at Accenture was coming to an end, I wanted to design a website that would represent my experience as a developer. To solve this, I had developed a fully responsive React + Tailwind portfolio integrating an AI-powered RAG chatbot capable of answering developer-specific questions.

**Transit For All:** Accessibility problems within NYC are extremely common and hard to find whenever people need them. During a 12 hour hackathon, we have made a Transit app that utilizes **GPS** and the **MTA API** to highlight station accessibility issues near you

**Final Exam Finder:** Typically, students at NYIT would search through a long and tedious spreadsheet to locate their finals. To fix this, I proactively built a **Java GUI app** that parses our final exam spreadsheet, allowing users to search for their final exams

**Ocean Health Page:** Ocean Pollution is a major problem and will continue to be a problem if not recognized. To build recognition for the state of our oceans, We had created a Ocean Health Page for a hackathon, using **API Data** to demonstrate Ocean Health trends

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## **Certifications:**

Pluralsight Java Fundamentals, Testout Security+, Testout Network+, NOCTI Computer Networking Fundamentals, CTE Cloud Network Engineering, NYIT 25-hour Certificate program

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## **Programming Languages:**

Advanced in: Java, Python, Javascript. HTML, CSS, Arduino, Git/Github, ComfyUI, ReactJS, Robotics, AWS

Proficient in: Unity (C#), Azure, Tailwind, C++, Linux/Kali, TypeScript, MatLab, Flask, Scrapy, Selenium