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Education

Cornell University

Bachelor of Science in Computer Science, Dyson Business Minor for Engineers, AI Minor

Relevant Coursework

- *Mathematical Foundations of Computing (Discrete)
- *Linear Algebra for Engineers
- (* = in progress)

Experience

Unreleased Startup

Software Developer

- Contributed to the development of a peer-to-peer coursework help platform, enabling seamless collaboration between college students.
- Designed and implemented a Google SSO to streamline and improve security on the sign-in process for users.
- Utilized Python, Flask, and MySQL to build and manage the platform's backend infrastructure, enabling seamless data handling and application performance.

Future Engineers Academy

Founder, Head Instructor

- Founded and led FE Academy, a youth organization focused on STEM education (501(c)(3) status pending).
- Designed and taught interactive STEM lessons to upper elementary and middle school students at no cost.
- Conducted three successful week-long summer sessions at a public library with high engagement.
- Managed social media presence and shared STEM-related content (@futureengineersacademy).

Bethpage High School

IT Helper

- Volunteered for the IT department, assisting with technology setup and maintenance.
- Organized and configured new district devices including Chromebooks, SMART Boards, and desktop computers.
- Worked alongside graduate students for 25 hours/week during summers and occasionally throughout the school year.

SnappyXO

Teaching Assistant

- Volunteered as a teaching assistant for the 2022 CEWIT MTRC SnappyXO Robotics Camp under Dr. Anurag Purwar.
- Assisted with lessons on robotics, mechanical design, electronics, programming, and physics using SnappyXO kits, Arduino IDE, and MotionGen.

Projects

AutoNote | React, Express, Firebase, OpenAI API

- Developed a full-stack web application that summarizes PDF files into Markdown format using OpenAI's GPT API.
- Implemented Google SSO authentication and data storage using Firebase, enabling secure management of uploaded notes and online access.
- Designed a responsive and modern interface using React and Vite, enhancing usability across devices.
- Partially Deployed the application on Fly.io, integrating a scalable backend with Express.

NFC Attendance System | Python, Java, DigitalOcean

- Developed an attendance tracking system for a high school robotics team, using NFC stickers, a Java Servlet on DigitalOcean, and a Raspberry Pi sensor client with a TKinter UI in Python.
- Integrated with a Web-Scraping Discord Bot to relay attendance data and feature leaderboards to the team.

Technical Skills

Languages: Python, Java, C++, C#, HTML/CSS Developer Tools: Visual Studio Code, IntelliJ IDEA, Git, OnShape Frameworks and Libraries: Flask, SQLAlchemy, React, Firebase Technologies and Platforms: Linux, Unity, Oracle Cloud, DigitalOcean, CAD

August 2023 – August 2024

Hicksville, New York

Bethpage, New York

June 2022 – August 2023

July 2022 - August 2022

Stony Brook, New York

November 2024

Multivariable Calculus for Engineers

December 2023

• Object-Oriented Programming and Data Structures

Ithaca, New York

Expected 2027

Ithaca, New York

December 2024 – Current