AS4274

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Education

Cornell University **Expected 2027**

Bachelor of Science in Computer Science, Dyson Business Minor for Engineers, AI Minor *Ithaca, New York*

Relevant Coursework

- *Mathematical Foundations of Computing (Discrete)
- *Linear Algebra for Engineers
- Object-Oriented Programming and Data Structures
- Multivariable Calculus for Engineers

(* = in progress)

Experience

Unrelased Startup **December 2024 – Current**

Software Developer *Ithaca, New York*

- 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 **August 2023 – August 2024**

Founder, Head Instructor *Hicksville, New York*

- 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 **June 2022 – August 2023**

IT Helper *Bethpage, New York*

- 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 **July 2022 – August 2022**

Teaching Assistant *Stony Brook, New York*

- 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* **November 2024**

- 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* **December 2023**

- 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