

Matthew Ham

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EDUCATION

Binghamton University, SUNY, Thomas J. Watson College of Engineering and Applied Science

Bachelor of Science in Computer Science

Expected May 2027

GPA: 3.61/4.00

PROJECT EXPERIENCE

NYC Cheap Eats, Full Stack Developer / Independent Project

January 2024 - Present

- Designed a MERN stack application as a catalog of cheap restaurants in New York City searchable through name, borough, zip code, cuisine type, and more
- Curated a MongoDB database of restaurants with a custom schema for optimal data storage and retrieval and hosted database on the cloud using MongoDB Atlas
- Hosted the site frontend and backends using the free tiers of Render and Vercel and deployed from GitHub

Karnaugh Map Generator, Desktop Developer / Independent Project

October 2023

- Developed a desktop application in Python to generate Karnaugh maps for Boolean expressions with 2 to 4 input variables
- Grid mapping abilities of Tkinter to provide a clear truth tables interactive UI

To-Do List, Desktop Developer / Independent Project

October 2023

- Developed a desktop application in Java to manage everyday tasks such as course assignments and basic chores
- Utilized the Swing library to provide a simple and flexible GUI and the IO API to create saving and loading features

LEADERSHIP & CAMPUS INVOLVEMENT

Hack BU

Binghamton, NY

Communications Organizer

November 2023 – Present

- Assisted in developing and executing content ideas for TikTok and draft messages for other social media platforms
- Engaged in promotional initiatives and logistics for a 2-day annual hackathon with over 200 participants ensuring seamless check-ins and fostering a safe, collaborative environment
- Actively participate in weekly technical skill and industry workshops to enhance expertise and strengthen foundational knowledge as a computer scientist

Triathlon Club Binghamton University

Binghamton, NY

Active Member

February 2023 – Present

- Organized a successful campaign to become club secretary for the 2024-2025 academic year while attending weekly swimming, running, spin practices, and occasional multisport competitions representing Binghamton University

WORK EXPERIENCE

355 Code

New York City, NY

Summer Marketing Intern

June 2023 – August 2023 & May 2024 – July 2024

- Coordinated a team of 4 interns through the recruitment and hiring process by performing outreach, monitoring payroll, and facilitating tasks of interns
- Improved company growth by 250 users through encouraging new members to enroll and spreading awareness of the tutoring services provided using flyers and in person tabling events
- Managed engaging social events for existing and new customers by reaching out to hotels and local vendors
- Researched demographics of students at 50+ local elementary schools to gather and share projected target audience with the company Founder and prioritize sponsorships to certain school programs

Head Starter AI

New York City, NY

Software Engineering Fellow

July 2024 – Present

- Attended in person and online events to learn from top engineers and company founders about ideas and industry landscape
- Worked on individual and group assignments and projects to improve personal branding, technical skills, communication, collaboration, and networking

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C

Software: Visual Studio Code, Apache NetBeans, Vim

Additional: HTML, CSS, MongoDB, React, Linux environments (Debian, Ubuntu, Mint)