Hannah Khamvanthong

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EDUCATION

North Carolina Agricultural and Technical State University,   Greensboro, NC
B.S. in Computer Science, GPA: 3.61   **Dec 2024**
HONORS: Merit Scholarship (2021), Chancellor's List (2021, 2024), Dean's List (2022, 2023)
Relevant Coursework: Introduction to Programming, Software Engineering, Data Structures, Programming Languages

PROFESSIONAL EXPERIENCE

Headstarter AI
Software Engineering Fellow   July 2024 – Sep 2024
- Built and deployed 5 AI projects in 5 weeks using ReactJS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Worked in a team of 4 to develop an interactive customer support agent using Next.js, integrated a custom RAG pipeline using OpenAI that responds based on a company's knowledge base.
- Collaborated with 3 Fellows to build and deploy a SaaS product that generates dynamic flashcards based on any topic using the Llama 3.1 LLM.

Capital One
Program Participant - Tech Mini Mester   July 2023 – Aug 2023
- Participated in a 5-day immersive experience out of 60 students to enhance technical skills, soft skills, and receive mentorship.
- Built a CLI-Based Coding Project in 24 hours and presented in front of Capital One leadership.
- Participated in a progressive learning experience that involved workshops around Node, NPM, JavaScript and more.
- Connected with 8+ Capital One Leadership members to hear about the diversity in technology and key tips on how to break into the space.

CLASS PROJECTS

Protein Sequencing Using a Transformer Model   Aug 2024 – Dec 2024
- Worked in a team of 4 to create a web application for protein sequencing.
- Worked on the front-end of the web application.
- Utilized scrum and agile methodologies to help complete project tasks with biweekly sprints.
- Ran the transformer model to test its functionality.

Personal Identifiable Information Anonymization   Jan 2024 – Apr 2024
- Worked in a team of 5 to detect and anonymize personally identifiable information using Microsoft Presidio.
- Detected a person's name using unit test cases.
- Utilized GitHub to create and merge pull requests.
- Looked for issues with my team's assigned personally identifiable information.

Give Back Co. Inc. SQLite Project   Jan 2023 – May 2023
- Worked in a team of 8 to construct and design our database in SQLite.
- Planned our database using donor and donation attributes, a diagram, and a relational model.
- Extracted donation data from our database.

SKILLS
- Python, Visual Basic, C#, Java, C++, SQL, JavaScript, HTML/CSS
- Matplotlib, NumPy, Pandas, Scikit-image
- Linux, Git, GitHub, Microsoft Office, Data Structures and Algorithms, Data Analysis, Artificial Intelligence, Object Oriented Programming
- Research, Perseverance, Observation, Problem Solving, Collaboration, Visual and Written Communication

CERTIFICATIONS
MTA: Introduction to Programming Using Python | ACT Work Keys NCRC Gold | Understanding and Supporting Asian Employees

STUDENT INVOLEMENT
- Aggies for Engineering and Community Enrichment (2021-2024)
- Association for Computing Machinery (2022-2024)
- Aggies for Asia (2024)
- Upsilon Pi Epsilon (2023-2024)