

Noah Hodgson  
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**Summary:**

Full-stack software engineer and graduate student at the Georgia Institute of Technology, specializing in developing machine learning and generative AI solutions to optimize business processes and amplify human resources.

**Experience:**

**Software Engineer**

July 2022 - Present

*W. L. Gore & Associates*

**Machine Learning**

- Developed generative AI solutions to enable market research analysts to quickly and easily analyze and “chat with” unstructured data to extract key market insights without requiring expertise in data science.
- Used LLMs and created a chat interface to parse medical recall data. This provided users with an interactive interface for competitive analysis.
- Led work on developing a solution for parsing Sitka customer review data. Using traditional natural-language processing and Chat-GPT, was able to summarize user review data. Then developed a Power BI surface layer for a user to easily parse these insights.
- Acted as project manager for a computer vision team. Led sprints and managed AWS environment. Aided data analysis. Coordinate end of life wrapup for this project.

**Full Stack**

- Engineered data analytics platform for groundbreaking stem cell therapy research in partnership with The Mayo Clinic. The goals being data entry, verification, and compliance with zero-trust architecture principles.
- Designed the user interface/user experience in Figma, with a focus on readability and a streamlined experience.
- Leveraged the Django framework to develop the backend in Python. Created an API that seamlessly connected to our SQL database.
- Collaborated on frontend development in React. Primarily working on the data entry side to validate the format of stem cell study information.
- Collaborated closely with cross-functional teams to ensure a smooth and efficient implementation. Engaged in coordinating efforts across various disciplines to guarantee the seamless integration of the project into the Azure environment

**Education:**

**Georgia Institute of Technology**

Masters of Science, Computer Science

December 2027

**University of Delaware**

Bachelors of Science, Computer Science

May 2022

**Credentials:**

- Earned multiple certificates from DeepLearning.AI's machine learning courses.
- Attended several Microsoft Azure workshops in order to familiarize myself with their low code platform.