

## Education

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<b>Georgia Institute of Technology</b>	Jan. 2023 – (May 2025)
<ul style="list-style-type: none"><li>B.S. in Computer Science</li><li>concentrations in Modeling/Simulation and Networking/Databases</li></ul>	GPA: 3.88
<b>University of North Georgia</b>	Aug. 2020 – Dec. 2022
<ul style="list-style-type: none"><li>B.S. in Physics (left incomplete)</li></ul>	GPA: 4.0

## Skills

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- Languages:** Java, C, Python, JavaScript, SQL
- Frameworks:** React, MongoDB, ChakraUI, Node.js, Next.js
- Other Tools:** Git/GitHub, Figma, Android, PyTorch, Scikit-Learn, NumPy, Matplotlib

## Projects

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<b>2D RPG Game</b> – <i>Android SDK, Java, Git/GitHub, Trello</i>	Aug. – Dec. 2023
<ul style="list-style-type: none"><li>Collaborated with a team of five to develop a dungeon crawler RPG game for Android.</li><li>Defined tasks, managed the GitHub repository, conducted code reviews, and produced documentation.</li><li>Spearheaded implementation of tilemaps, UI rendering, and a custom JSON parser for game assets, also contributing to other features.</li><li>Adhered to MVVM architecture to cleanly separate UI from business logic and employed best practices and design patterns for object-oriented software development.</li></ul>	
<b>University Club Explorer Website</b> – <i>React/Next.js, MongoDB, ChakraUI, Figma</i>	Aug. 2023 – Present
<ul style="list-style-type: none"><li>Contributed to an effort to replace Georgia Tech's existing club/organization discovery site, aimed at improving searchability and user experience for students looking to get involved on campus.</li><li>Drafted designs using Figma and implemented them in the site for a pleasing and smooth front-end.</li><li>Implemented scrolling pagination and search/ranking functionality to help students easily find relevant clubs.</li></ul>	
<b>Time-Series Forecasting LSTM</b> – <i>PyTorch, RescueTime API</i>	June - July 2023
<ul style="list-style-type: none"><li>Trained long-short-term memory networks (LSTMs) on four years of my own computer usage data from a popular productivity tool to understand and predict patterns in my productivity.</li></ul>	
<b>Circuit Simulator</b> – <i>Python, NumPy, Matplotlib</i>	Sept. – Nov. 2022
<ul style="list-style-type: none"><li>Developed a simulator which could solve any circuit consisting of ideal elementary circuit components.</li></ul>	
<b>Machine Learning Research</b> – <i>Keras, Scikit-Learn, NumPy, Matplotlib</i>	May – Dec. 2022
<ul style="list-style-type: none"><li>Used dimensionality reduction and neural networks to identify the phase transitions of simulated polymers.</li></ul>	

## Experience

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<b>Learning Assistant</b>	<b>University of North Georgia</b>	Aug. 2021 – Dec. 2022
<ul style="list-style-type: none"><li>Helped teach eight sections of the introductory physics lab course, including giving lectures, setting up equipment, addressing student difficulties, grading assignments, and administering exams.</li><li>Noticed students were struggling with Excel and took initiative to make a series of video tutorials, which have helped hundreds of students and are still used after several semesters.</li><li>Led training sessions over lab procedures for new learning assistants and professors.</li><li>Conducted data analysis on assignment feedback and grades to inform our teaching practices. Presented findings at a conference of the American Association of Physics Teachers' local chapter.</li></ul>		