

# Magnus Hodgson

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<https://magnush.com>

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## SUMMARY OF QUALIFICATIONS

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- Widespread skills in teamwork, planning, leadership, and problem solving
- A range of knowledge in various programming languages with demonstrated success in an academic environment
- Outstanding social skills in academic, work-related, and natural environments

## EDUCATION

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**University of Georgia**, Franklin College of Arts & Sciences Athens, GA  
**Bachelor of Science in Computer Science, Applied Data Science Certificate** July 2024

- **Cumulative GPA:** 3.9/4.0
- **GRE:** Quantitative Reasoning – 169; Verbal Reasoning – 152

**University of Georgia**, Institute of Artificial Intelligence Athens, GA  
**Master of Science in Artificial Intelligence** May 2026

- **Cumulative GPA:** N/A

## TECHNICAL SKILLS

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- **Programming Languages:** Java, C, C++, HTML5, CSS, JavaScript, Python, Pandas, MIPS Assembly, Django
- **Operating Systems:** Windows 11, macOS, Unix, Ubuntu (Linux)
- **Software:** VS Code, MS Word, Emacs

## PROFESSIONAL EXPERIENCE

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**Happy Stories**, *Software Engineering Intern*, Toronto, CA (Remote) January 2024 – July 2024

- Led a team in integrating DALL-E and GPT-3 APIs into Happy stories, assisting in integrating and enhancing the AI-driven story engine, improving system effectiveness by 40%
- Developed a database from the ground up for initializing and optimizing data retrieval and storage, leading to a 40% increase in database retrieval efficiency and a 50% increase to storage volume
- Assisted in development of a dynamic React interface, resulting in a 45% increase in user interaction time

**Southers Deer Cooler**, *Software Engineering Intern*, Murrayville, GA June 2023 – July 2023

- Developed a program from scratch that is capable of adding, removing, and modifying customers in an excel-like spreadsheet program storing various important information about each individual
- Has search functions that can search for any kind of information from any given customer in the list, displaying each matching query in a reactive list that automatically updates as it is searched
- Uses multiple tabs to separate customers by order and checkboxes to highlight rows as orders are complete
- Created a saving feature that stores and loads information using text files stored locally and backed up regularly

## ADDITIONAL EXPERIENCE

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**Kroger**, *Pickup Associate/Shift Leader*, Athens, GA September 2022 – Current

- Completed tasks ranging from grocery shopping for customers to grocery delivery to customers
- Facilitated in dealing with unhappy customers by deescalating situations and adjusting orders to fit to their needs
- Operated through strenuous shifts and weather as well as long hours to ensure quality and completion of job assignments

## RESEARCH

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**Using AI For Scientific Breakthroughs** August 2024 – Current

- Actively adding pandemic data and prompts to The AI Scientist and reformatting the neural networks to create data-backed research papers for new discoveries related to previous, ongoing, and future pandemics
- Research aims to predict trends in current and future pandemics and create new solutions to these problems using AI's ability to learn and process material significantly quicker than humans

## HONORS & INVOLVEMENT

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- **Dean's List** (5 semesters); **Presidential Scholar** (2 semesters)
- **Computer Science Interview Prep** – Attend regular club meetings preparing me for future CS technical interviews
- **UGA Association for Computing Machinery** – Join regular club meetings to learn more about my options and opportunities as a CS major at UGA