

Hudson O'Donnell

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EDUCATION

University of Georgia

Bachelor of Science in Computer Science

Athens, GA

Expected: December 2024

- **Honors:** Dean's List, Zell B. Miller Scholarship (GPA: 3.63/4.0)
- **Relevant Coursework:** Web Development, Software Engineering, Algorithms, Special Topics in Deep Learning, Reinforcement Learning, Data Science I, Linear Algebra, Data Structures, Systems Programming, Computer Networks

University of North Georgia

Dual Enrollment

Watkinsville, GA

August 2020 - May 2022

WORK EXPERIENCE

Nymbus

Developer Operations Intern

Athens, GA

May 2024 - Present

- Streamlined local testing by developing a comprehensive deployment tool using Docker, Kubernetes, and Helm, significantly reducing the Agile development cycle by up to one week.
- Enhanced system monitoring by integrating Spring Boot actuator tools, enabling real-time insights and proactive issue resolution.
- Drove adoption of innovative tools through impactful presentations, successfully encouraging teams to implement local deployment into their workflow.

Chop House

Server

Athens, GA

May 2023 - July 2024

- Deliver exceptional customer service by providing a refined dining experience in an upscale environment to over 100 patrons per week.
- Execute professional tableside service, showcasing excellent communication and interpersonal skills.
- Complete a variety of opening and closing tasks including managing financial transactions.

Oconee County Schools

Information Technology Intern

Watkinsville, GA

May 2021 - May 2022

- Recommended by Future Business Leaders supervisor and selected among a dozen candidates.
- Supported over 8,000 students and 1,000 faculty by managing technology inventory, repairs, and general maintenance.
- Collaborated with advisors to assist students and teachers by troubleshooting technology issues.

PROJECTS

CIFAR 10 Linear/Convolutional Classifier

December 2023

- Implemented and compared the performance of linear and convolutional classifiers on the CIFAR-10 dataset, a dataset comprising 60,000 32x32 color images across 10 classes.
- Techniques such as batch normalization, ADAM, and dropout were used to optimize accuracy to over 80 percent.

JavaFX Snake Game

December 2022

- Used JavaFX to create a playable game of snake with adjustable gameplay settings.
- Incorporated multiple object-oriented features such as encapsulation, inheritance, polymorphism, and abstraction to enhance code modularity, reusability, and maintainability.

File Comparison Tool in C

May 2023

- Implemented file comparison functionality in C, comparing two input files byte by byte.

SKILLS

Programming Languages: Python, Java, JavaScript, HTML, CSS, , C, C++

Libraries/Tools: Unix, React, Next.js, Tailwind, Flask, SQL, MongoDB, Pytorch, Numpy, Pandas, Matplotlib, Git, Gitlab

IDE: VSCode, PyCharm, Emacs, Vim