

**Jenson Wagner**  
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**Greenville, SC**

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## Education

### **Clemson University**

Junior, Bachelor of Science in Computer Science  
Anticipated Graduation: May 2027

### **Greenville Senior High School**

Graduated: May 2023  
Recipient: Palmetto Life Scholarship Winner  
MVP: Upstate Soccer Conference

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## Technical Skills

- **Programming Languages:** C++, Python, Java, C, JavaScript, HTML, CSS
  - **Tools and Technologies:** TensorFlow, Pytorch, Nump, NASDAQ Data-link, Microsoft Excel, Llama's AI,
  - **Core Competencies:** AI Agent Design, Algorithm Design, Object-Oriented Programming, Data Structures, Quantitative Analysis
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## Projects

### **AI Water Chlorination Project**

- **Developed** and **benchmarked** control agents in a simulated **water distribution network** to optimize chlorine treatment strategies.
- Trained a **Long Short-Term Memory (LSTM)** network on heuristic agent data to proactively regulate chlorine, successfully reducing costs and safety violations.
- **Quantitatively** demonstrated the LSTM agent's **superiority** over reactive strategies in optimizing cost control, safety compliance, and operational stability

### **InternAI**

- Co-founded InternAI alongside fellow business students to create a platform that **bridges internships** with companies by facilitating **simple task assignments** in **exchange for certificates** or academic credit.
- Developed the foundational **front-end and back-end** of the website using **CSS, JavaScript, and HTML**, and am currently leading the development of the **AI system's back-end**.

## Weighted Recommendation System (C++)

- Designed and implemented a program to provide **class recommendations** for students based on **weighted inputs**.
- Utilized **advanced data structures and algorithms** to ensure accuracy and efficiency in output generation.

## Algorithmic Trading Bot (Python)

- Developed a **quantitative trading bot** using "Python for Algorithmic Trading Cookbook" by Jason Strimpel.
  - Integrated various financial data APIs to execute trading strategies and backtesting mechanisms.
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## Work Experience

### AI Japanese Research

*Project Design and Leader*

*May 2025 - July 2025*

- Worked on two distinct projects involving **Machine Learning** and **AI**
- Worked alongside **Master's** Students at **Nagoya Institute of Technology**
- **Spearheaded** independent **AI Water Chlorination Research Project** as a part of the **IJIAC's** 1st AI for Drinking Water Chlorination Challenge
- Created **LSTM** model and also helped optimize a Drone Routing Program by utilizing various routing algorithms(primarily Dijkstra's Algorithm)

### Home Depot

*Flooring and Decor Associate*

*May 2024 - August 2024*

- **Started** out as a **cart boy/lot** associate and quickly worked up to being a **Flooring and Decor Associate**.
- Managed multiple aisles independently from start to close while ensuring customer satisfaction.
- Developed **self-autonomy** and **time efficiency** while learning **diverse product** knowledge to improve customer experience.

### Marble Slab Creamery

*Shift Leader*

*July 2021 - April 2023*

- **Supervised** shifts of **4-5 employees**, ensuring daily operations ran smoothly.
- Closed the store every night, reconciled cash registers, and prepared deposits.
- Gained leadership experience in a dynamic, fast-paced environment.

**Harris Teeter**

*Cashier*

December 2020 - July 2021

- Provided excellent customer service and ensured accurate cash handling.
  - Promoted from bagger to cashier within six months.
  - Interacted with customers daily to ensure satisfaction and resolved issues efficiently.
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**Activities****Clemson Men's Rugby**

Player, Jan 2025 - Present

**Greenville High Soccer**

Team Captain, February 2019 - 2023

**Furman United Soccer**

Team Captain, July 2013 - July 2023

**Volunteer**

Volunteered at Recraft, Meals On Wheels, and various others totalling up to 40+ hours.