Resume

**Jenson Wagner  
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 Greenville, SC**

### **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

### **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

### **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 algorithm**s 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.

### **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.

### **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.