Patrick Woods   828-507-7667 | woods.patrick@icloud.com | Cashiers, NC

Education

Clemson University | Clemson, SC   Expected Graduation: Dec 2025
- BS in Computer Science with minors in AI & Geology

Southwestern Community College | Sylva, NC   May 2022
- AAS - Information Technology Operating Systems
- AAS - Information Technology Network Management Operating Systems

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Technical Skills

- **Programming Languages-** Proficient in Java, C, C++, Python Familiar with Swift, SQL, Prolog
- **Development Tools-** Visual Studio, AWS, Postman, Git, Trello, Slurm, PyTorch, FAISS
- **Operating Systems**- Windows, Linux/Unix, Mac OS, Windows Sever, VMware
- **High-Performance Computing-** Experience with parallel computing, GPU accelerated programing, and artificial intelligence training via Clemson's Palmetto Cluster

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Professional Experience

Software Developer
RFPilot (CPSC 4910) - Clemson SC   August 2025- Present

- Developing a cloud-based software solution to ingest entire RFP documents at once, enabling an automated process and responses to be generated in just a few minutes with OpenAI GPT API calls
- Designing a prototype user interface to streamline collaboration allowing the user to quickly approve AI generated responses
- Implementing sorting based on the questions asked allowing for efficient human-in-the-loop review
- Significantly reducing turnaround of RFP completion by combining large scale automation with human-in-the-loop quality assurance

Network Technician
BCDA LLC - Cashiers NC   May 2021 – August 2022 | Summers of 2023, 2024 and 2025

- Responsible for troubleshooting and resolving technical issues, achieving a resolution rate of 95% within a 6-hour period and 98% within a 12-hour period
- Expanded the network system to support 42 new devices (tablet, mobile and laptop), leading a team of 3 members to successfully integrate the new infrastructure, increasing device accessibility by 55% while optimizing resource utilization
- Responsible for the maintenance of the network, ensuring 99.9% uptime and proactively addressing issues to minimize disruptions

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Academic Research

- Undergraduate AI Research – Clemson University
- Utilized Palmetto HPC for AI training, optimization and large-scale programming
- Managed distributed computational workload maximizing multi-user efficiency
- Developed a RAG model combining retrieval-based search with generative AI to improve response accuracy
- Created and delivered a technical presentation to University of Florida professors explaining the benefits of RAG