

Joseph Vos

[Phone Number](#) | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Personal Website](#)

EDUCATION

M.S. Artificial Intelligence (Double Dawgs Program) **Expected May 2027**
University of Georgia GPA: 3.77

B.S. Computer Science & B.A. Cognitive Science **May 2026**
University of Georgia GPA: 3.59

Honors & Awards: Presidential Scholar, Dean's List (6x), Zell Miller Scholarship Recipient

Relevant Coursework: Machine Learning, Artificial Intelligence, Data Mining, Human-Computer Interaction, Algorithms, Data Structures, Systems Programming, Computer Networks, Deductive Systems

WORK EXPERIENCE

PERSEUS Research Assistant May 2026 – Present
University of Georgia Athens, GA

- Developing and evaluating machine learning models in Python across 5+ forest plots to support predictive forestry research
- Co-authoring 2 research publications focused on forestry prediction and geospatial modeling
- Creating virtual reality environments with Unity and Meta VR to support learning for 500+ forestry students

PERSEUS Virtual Reality Intern December 2024 – May 2026
University of Georgia Athens, GA

- Contributed to a \$10 million USDA-funded AI research initiative by developing immersive visualization tools for forestry education and research communication
- Established the UGA Virtual Forestry Lab and led development of virtual reality educational tools using 360° camera footage to create forestry content for 50+ faculty members
- Built a responsive front-end interface for a predictive Python model, enabling user-friendly interaction and real-time data manipulation for 100+ users

AI/ML Engineering Intern May 2025 – August 2025
SiteOne Landscape Supply Roswell, GA

- Collaborated with the Enterprise Architecture team to research and develop internal artificial intelligence solutions aligned with enterprise stakeholder needs
- Implemented a Retrieval-Augmented Generation (RAG) architecture using Azure AI Foundry, Copilot Studio, and Elasticsearch to improve knowledge retrieval by an average of 75%
- Integrated SharePoint, ServiceNow, and Confluence data into a unified retrieval system, enabling centralized access to enterprise knowledge sources for 50+ employees

PROJECTS

Spatial Equilibrium Timber Supply Model | Python, Railway, Django & Next.js January 2026 – May 2026

- Designed and deployed a Next.js front-end interface, enabling 100+ users to modify parameters and interact with a predictive timber supply model
- Refactored Python model code to reduce computational complexity, increase code readability, and improve runtime efficiency by 25%
- Contributed to a technical research paper detailing the model methodology and experimental results

Promoteó Translator & Career Planner | Tailwind, Supabase, Node.js & Next.js March 2026

- Developed a full-stack career planning platform for the Georgia State SHPE Hackathon that helps international students discover scholarships, internships, career paths, peer support, and community resources
- Engineered a multilingual translation pipeline using the YouTube API and LibreTranslate to generate accessible translated voice-overs
- Utilized Supabase for authentication, database management, and user data storage, enabling personalized access to career and community resources

TECHNICAL SKILLS

Languages | Python, Java, SQL, JavaScript, TypeScript, HTML/CSS

Frameworks/Databases | React, Unity, Next.js, Railway, Django, MongoDB, Supabase, MySQL, Elasticsearch

Developer Tools | Git, Docker, Azure AI Foundry, Copilot Studio, Figma, Jira, Confluence, Agisoft Metashape, ArcGIS

Libraries | Pandas, NumPy, Matplotlib, Bootstrap