Lucas Aust

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Education

University of South Carolina Honors College – Columbia, SC
Swearingen College of Engineering & Computing | Darla Moore School of Business
Major: Bachelor of Science Computer Information Systems Candidate, May 2025
Minors: Business Information Management | Data Science
GPA: 3.957/4.0

Professional Experience

Research Assistant
HI3 Tech Lab, Columbia, SC | October 2023 – Present
- Build front-end applications to display patient health information
- Develop a Large Language Model chatbot for health interventions
- Create programs that utilize ChatGPT to evaluate over 10,000 health related social media posts
- Won McNAIR Junior Fellowship Award to conduct summer research

Student Ambassador
University of South Carolina Honors College, Columbia, SC | April 2023-Present
- Conduct 10-15 information sessions per semester for prospective students and families
- Present at admitted student panels to over 250 participants
- Market all aspects of the Honors College to potential students and families

Technology Analyst/Landscaper
Nicoletti Landscaping, Pittsford, NY | May 2022-Present
- Facilitate the training of new employees, promoting a collaborative work environment
- Create graphic designs for company logos
- Analyze company websites and databases for possible improvements

Java Camp Application – Classroom Project
- Worked collaboratively in a team of five on a large-scale project using Git
- Designed software by creating a UML class diagram, eliciting requirements from a faux client, making unit tests utilizing J-Unit, and applying multiple design patterns

Disease Chatbot – Classroom Project
- Developed an AI-driven chatbot to provide information on diseases, utilizing Java

Draft-Vision-Ai – Ongoing Classroom Project
- Leverage machine learning models to evaluate college football players' performance and predict success in the NFL

Publications

- Vuruma, S. K. R., Wu, D., Gupta, S. S., Aust, L., Lookingbill, V., Henry, C., ... & Huang, M. (2024). Automated Data Annotation with LLMs. *ICHI 2025*
- Vuruma, S. K. R., Wu, D., Gupta, S. S., Aust, L., Lookingbill, V., Henry, C., ... & Huang, M. (2024). Utilizing Large Language Models to Identify Reddit Users Considering Vaping Cessation for Digital Interventions. *Paper Presentation at AIME 2024 Workshop*

Involvement

Treasurer | Phi Chi Theta Professional Fraternity (Zeta Sigma) | May 2023-May 2024
- Managed a budget of over $10,000
- Identified and funded a national award-winning professional event

Augusta National Master's Program | August 2021-April 2022

Skills

Programming Languages: Java, R, Python, SQL, Javascript, HTML
Software: Figma, Tableau, Microsoft Suite, RStudio, Github, Slack, Git