

Jackson Reid Wilson

Fort Thomas, KY | jacksonrwilson05@gmail.com | www.linkedin.com/in/jackw6 | (859) 415-6826

EDUCATION

University of South Carolina Honors College

Bachelor of Science, Computer Science

Major: Computer Science

Concentration: Artificial Intelligence

Minor: Statistics

Columbia, SC

May 2028

GPA: 4.0/4.0

Awards: University of South Carolina Stamps Scholar - Highest merit scholarship recognizing the top 5 out-of-state students

PROFESSIONAL EXPERIENCE

Yan Tong Lab Small Object Detection

Undergraduate Research Assistant

Columbia, SC

September 2024 – Present

- Analyzing current state-of-the-art models in small object detection to understand their weaknesses and failure points on both a statistical and qualitative level.
- Developing theoretical explanations for performance gaps and combining novel techniques to improve performance on open-source datasets across class, size, and image variance.

Procter and Gamble

Natural Language Processing Intern

Cincinnati, OH

June 2024 – August 2024

- Fine-tuned LLM agent for sentiment analysis, keyword identification, and summarization of Global Consumer Relations complaints to optimize customer loyalty for Febreze's AIRIA Smart Scent.
- Built device tracker application for connected home research sensors to efficiently and accurately manage 1000+ globally deployed devices and identified hundreds of lost sensors.

LEADERSHIP EXPERIENCE

Gamecock Artificial Intelligence and Machine Learning Association

Cofounder, Treasurer

Columbia, SC

September 2024 – Present

- Created club constitution and communication platforms, recruited 60+ members and 5 faculty mentors.
- Plan and fundraise events for Kaggle competitions, guest speaker workshops, research seminars, project collaboration sessions, conferences, and professional development sessions.

Kickin' it with a Good Book

Cofounder

Fort Thomas, KY

August 2020 – Present

- Spearheaded a nonprofit program that distributes books at soccer clinics in local community centers and YMCAs.
- Collected and distributed 3000+ books from online advertising and competition with local high school soccer teams.
- Authored standard operating procedures to share with school contacts in Kentucky and Ohio.

PROJECTS

DengueScreen

October 2023 – May 2024

- Designed a novel machine learning diagnostic tool for dengue fever based on patient rashes to differentiate between dengue and its commonly confused diseases.
- Decreased cost by 80%, increased diagnostic accuracy by 5%, and reduced turnaround time to seconds.
- Attended the International Science and Engineering Fair and won 2 special awards from USAID and Non-Trivial.

Robotic Movement Optimization

September 2023 – April 2024

- Updated vision code to track QR code targets and reflective tape objects more accurately and efficiently using proportion-integral-derivative control, doubled scoring capabilities in driver-controlled period.
- Upgraded pathing code using Pathfinder package to take full advantage of swerve drive system, retuned wheel and control coefficients, and improved autonomous scoring by 5 times.

ADDITIONAL INTERESTS

SKILLS: Python, PyTorch, TensorFlow, Numpy, Optuna, SQL, Java, Office 365 Suite, Power Apps, Power BI, Google Suite

INTERESTS: Soccer, Ultimate Frisbee, Volleyball, Reading, Coffee, Travel, Chess, Puzzles, Cooking