Blake Payne

Dayton, OH | linkedin.com/in/blake-payne | github.com/payne1778

Education

Bachelor of Science in Computer Engineering   **December 2026**

Wright State University | Dayton, OH   GPA: 3.86

Minor in German

Enrolled in Combined B.S./M.S. (4+1) Program in Computer Engineering   **December 2027**

Wright State University | Dayton, OH

Skills

Programming Languages: Java, Python, Bash, GoLang, C, C++, MATLAB
Development Tools: VSCode, Zed, IntelliJ, PyCharm, Rider, CLion, MATLAB IDEs
Computer Software: Linux (Arch), Windows, Microsoft Office Products, Google Workspace Products

Projects

LLM Benchmarker

- Benchmarking LLMs from Ollama in Java by evaluating their accuracy on linear algebra problems using the Wolfram Alpha API, contributing insights to LLM mathematical reasoning in the CS research community

Translation Library

- Building a cross-language TOML-based translation library with a Python CLI and Java Package for managing multilingual content across apps and tools
- Streamlining internationalization by standardizing translation file formats and enabling easy collaboration between developers and translators

Submission Organizer

- Co-engineered a lecture-wide file organizer in Python to process, filter, and sort student submissions, significantly reducing manual effort for TAs and saving dozens of hours during grading

Experience

Computer Science Teaching Assistant   **August 2024 - Present**

Wright State University On-Campus Employment   *Fairborn, OH*

- Led weekly lecture sections for 50 students, facilitating engaging discussions and academic support through office hours and personalized communication
- Collaborated with faculty and a team of TAs to coordinate grading logistics, address student concerns, and ensure consistency across course delivery
- Helped drive high student satisfaction ratings and strong course evaluation feedback by leading team coordination efforts and maintaining clear, timely communication with students

Extracurricular Activities

Tau Beta Pi Engineering Honor Society, Secretary	October 2024 - Present
IEEE Wright State University Student Chapter, Treasurer	August 2023 - Present
Wright State Honors Program	December 2022 - Present
IEEE Wright State University Student Chapter, Treasurer	August 2023 - Present
Make-IT-Wright Hackathon 2025	Spring 2025
ACM Programming Contest	Fall 2023, Fall 2024

Achievements

Tau Beta Pi Engineering Honor Society, Secretary	Fall 2023 - Present
Wright State Honors Program Competitive Scholarship	June 2023