

Blake Payne

Dayton, OH | [linkedin.com/in/blake-payne](https://www.linkedin.com/in/blake-payne) | github.com/payne1778

Education

Bachelor of Science in Computer Engineering Wright State University Dayton, OH Minor in German	December 2026 GPA: 3.88
Combined B.S./M.S. (4+1) Program in Computer Engineering Wright State University Dayton, OH	December 2027

Courses

Operating System Internals & Design Computer Organization Calculus I-II	Operating System Concepts & Usage Data Structures & Algorithms Computer Science I-II	Differential Equations w/ Matrix Algebra Digital Circuit Design w/ VHDL Analog Circuit Theory
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Skills

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

Projects

LLM Benchmark • 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	July 2025 - Present
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 files for smoother developer/translator collaboration	June 2025 - Present
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	November 2024 - December 2024

Experience

Computer Science Teaching Assistant <i>Wright State University On-Campus Employment</i> • 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	August 2024 - Present <i>Fairborn, OH</i>
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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
Make-IT-Wright Hackathon 2025	January 2025 - February 2025
ACM Programming Contest	October 2023, October 2024

Achievements

College of Computer Science & Engineering Dean's List	August 2023 - Present
Wright State Honors Program Competitive Scholarship	June 2023