

# Blake Payne

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

## Education

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

## 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), Windows, Microsoft Office Products, Google Workspace Products

## Projects

<b>LLM Benchmarker</b> • 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	<b>July 2025 - Present</b>
<b>Translation Library</b> • 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	<b>June 2025 - Present</b>
<b>Submission Organizer</b> • 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	<b>November 2024 - December 2024</b>

## Experience

<b>Computer Science Teaching Assistant</b> <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	<b>August 2024 - Present</b> <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