

# 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: 3.86
<b>Enrolled in Combined B.S./M.S. (4+1) Program in Computer Engineering</b> Wright State University   Dayton, OH	<b>December 2027</b>

## 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 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
- 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

<b>Computer Science Teaching Assistant</b> <i>Wright State University On-Campus Employment</i>	<b>August 2024 - Present</b> <i>Fairborn, OH</i>
<ul style="list-style-type: none"><li>Led weekly lecture sections for 50 students, facilitating engaging discussions and academic support through office hours and personalized communication</li><li>Collaborated with faculty and a team of TAs to coordinate grading logistics, address student concerns, and ensure consistency across course delivery</li><li>Helped drive high student satisfaction ratings and strong course evaluation feedback by leading team coordination efforts and maintaining clear, timely communication with students</li></ul>	

## 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