

Kyle Phillips

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Education

Purdue University

B.S. in Computer Science, Machine Intelligence; B.S. in Data Science

Minors in Mathematics and English

West Lafayette, IN

Aug. 2022 – May 2026

GPA: 3.64/4.00

- Relevant Coursework: Discrete Math, Algorithms, Architecture, Systems, AI, ML, Robotics, Probability, Regression, Design of Experiments, Databases, Spanish, Ethics of Data Science
- Honors: Dean's List (8 semesters)

Experience

Head Lab Undergraduate TA – CS 25200: Systems Programming

Purdue University

Jan. 2025 – May 2026

West Lafayette, IN

- Promoted to Head Lab Undergraduate Teaching Assistant after two semesters; led weekly labs for 20+ students, presenting material and guiding hands-on assignments.
- Developed and delivered instructional material covering systems programming and x86 assembly; provided individualized support to help students debug code and understand course concepts.
- Wrote quiz and exam problems used to assess students' understanding of systems programming concepts and collaborated with course staff to maintain course materials.

Projects

Student Game Development Team – SIGGD

Purdue SIGGD

2022 – 2026

West Lafayette, IN

- Contributed to a student game development team that designed and developed a new Unity game each academic year, personally contributing to both programming and game design; contributing to two games published on Steam.
- *Echoes of Isovios: A Legacy Undone*: Designed enemies and character kits.
- *Project: Deimos*: Designed levels, enemies, and items.

The Data Mine – Purdue Athletics Football

Purdue University in Collaboration with Purdue Athletics

2023 – 2024

West Lafayette, IN

- Developed a React.js application using databases, APIs, and data analytics to evaluate player performance, iteratively implementing coach requirements and custom data visualizations through an agile development process.

The Data Mine – MISO

Purdue University in Collaboration with MISO

2022 – 2023

West Lafayette, IN

- Integrated weather and transmission data from NOAA and Open-Meteo APIs and applied statistical analysis to investigate how temperature, wind, and solar conditions affect ambient adjusted transmission-line ratings.

Technical Skills

Languages: Python, C, C++, Java, JavaScript, R, SQL, x86 Assembly, HTML

Technologies: React.js, Unity, Git, Linux, APIs, Databases

Concepts: Systems Programming, Algorithms, Data Structures, Memory Management, Concurrency, AI, ML, Data Analysis