

CALEB MAGILL

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PROFILE

Junior Bachelor of Science candidate in Computer Science at Kent State University. My research background is in distributed systems, whereas I am presently drafting a paper to contribute toward a current issue in blockchain. I am additionally interested in Human-Computer Interaction; expression and perception are my obsession. I intend to pursue a Graduate PhD program, and I hope to one day be a professor.

EDUCATION

Kent State University
Bachelor of Science, Computer Science, Minor in Mathematics

Kent, OH
Aug 2024 - Present

- CS44001: Programming Patterns - Abstraction and implementation of reusable design patterns, modular architecture
- CS 33901: Software Engineering - Applying of software engineering principles through iterative development, team collaboration
- MATH21002: Applied Linear Algebra - Using linear transformations to model and solve optimization problems
- CS 33211: Operating Systems - Familiarization with the fundamentals of computer architecture design and structure

PROJECTS

[Personal Website](#) | HTML, CSS

- Built a personal website to express myself!

[OOP Repository](#) | C++

- Compilation of past lab assignments/projects
- Retrospectively optimized demonstrating optimal object-oriented programming techniques

[YT Channel](#)

- I make lecture-style videos on various CS and mathematical topics
- I additionally hope to use this as a means of bettering my public speaking :)

[Dynamic Student Attendance Tracker](#) | Python, SQL, Streamlit, OpenAI API

- SWE Project
 - Created a student attendance tracker, interface for professor to view statistics
 - Used AI API calls to provide professor with additional insight about collected data

[Crispian Teague & The Ornate Museum](#) | Unity, C#, Blender

- Converting a creative writing essay into a video game
- Familiarizing myself with various creative facets; such as 3D modeling, animation, game scripting, etc.

EXPERIENCE

CS Research Assistant
KSU CS Department

Oct 2026 - Present
Kent, OH

- Research alongside faculty and graduate students in Scalable Computer Architecture and Emerging Technologies Labratory
- Currently drafting a paper for publishing on a PoW blockchain scheme which balances the axioms of both time and urgency

Course Tutor
KSU Academic Success Center

Aug 2025 - Apr 2026
Kent, OH

- Tutored various CS and Math courses
- Attended some additional leadership-building trainings

ACHIEVEMENTS / CERTIFICATIONS

SURE 2026 Participant | Jun 2026
Summer Undergraduate Research Experience - participated in Dr. Sharma's SCALE CS Research Lab at Kent State University; being mentored from learning how to read research papers, the fundamentals of distributed systems, up to presently where we're jointly collaborating on the drafting of a paper which contributes to a current problem in the space.

2025 Balanced Man Scholarship Recipient - Sigma Phi Epsilon | Aug 2025
Brother at SigEp Ohio Lambda Chapter at Kent State, awarded Balanced Man scholarship by demonstrating the pillars of a balanced man: personal development, well-being, and leadership.

KSU Honors College Sholarship (Reoccurring) | Aug 2024
Continued enrollment in the Kent State Honors College; merit based on GPA.