

KEATON RAMEY

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EDUCATION

Miami University, Oxford, Ohio

Bachelor of Arts

May 2025

Computer Science, Games + Simulation Minor | GPA: 3.83

ICAgile Certified Professional (ICP)

RELEVANT SKILLS

- DSA, Data Analysis, Responsive Web Design, Software Engineering, Agile, UI/UX
- C/C++, Java, HTML/CSS/JS, Python, React, Git, Firebase, MongoDB, Pandas, Bootstrap, SciPy

PROJECTS

Drone Localization Software, Capstone

September 2024 - December 2024

- Developed software for 3D localization by calibrating focal planes with image data, achieving over 99% error reduction through optimization with SciPy. Applied least-squares to accurately determine 3D drone positions from pixel coordinates

Activity Classification Project, Machine Learning

September 2024 - December 2024

- Conducted EDA and feature engineering on multi-sensor time-series data using Python (pandas, numpy, scikit-learn). Applied windowing techniques and overlap configurations, implemented and optimized various models for activity classification

"Oliver" Chess Engine, Personal Project

July 2024 - Present

- Developing chess engine written from scratch in C. Generates all moves in a position, finds all possible positions at given depth, and implements Negamax and alpha-beta pruning to identify best line

Raytracing Project, Foundations in Computer Graphics

January 2024 - May 2024

- Implemented various features in an interactive Raytracing graphics program using C++ including raytracing, lighting, 3D shapes, textures, antialiasing, shadows, and transparent planes

"High Roller Heaven", Software Engineering

August 2023 - December 2023

- Designed and developed a casino-style website with 3 peers using React.js, Node.js, MongoDB, and Git including account registration/log in, a home page, 4 casino games, and a user balance system

EXTRACURRICULAR INVOLVEMENT

ASSOCIATION FOR COMPUTING MACHINERY

September 2023 - Present

President

- Leads weekly meetings with various activities, cultivates relationships with employers, engages in various forms of outreach, and secured up to \$6000 of funding for Spring 25' semester to support over 100 members

TAU BETA PI

August 2024 - Present

Vice President

- Oversees Miami's TBP chapter, recruiting new members, representing TBP at conferences, interfacing with national organization, writing an official constitution for chapter, and securing funding

KODE2LEARN

August 2022 - Present

Member

- Taught 30 children at nearby schools about Computer Science through activities, games, and more

ADDITIONAL EXPERIENCE

CRISIS TEXT LINE

January 2023 - Present

Volunteer Crisis Counselor

- Completed 30 hours of training, now supporting people in a heated moment texting in, helping explore issues, create goals, and find ways to cope