

KEATON RAMEY

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EDUCATION

Miami University, Oxford, Ohio

Bachelor of Arts

May 2025

Computer Science, Games + Simulation Minor | GPA: 3.9

ICAgile Certified Professional (ICP)

RELEVANT SKILLS

- C/C++/Java, HTML5/CSS/JavaScript, Python, Bootstrap, React.js, Data Structures, Algorithms
- Git, Firebase, MongoDB, Responsive Web Design, Software Engineering Principles, Agile, UI/UX

PROJECTS

"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

Spam Filter, *Personal Project*

July 2024 - August 2024

- Implemented a Naive Bayes Classifier in Python and JavaScript to detect spam using an approach outlined in a paper by Jonathan Lee of UW on training data from Kaggle

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

"RedShout", *Personal Project*

August 2023 - October 2023

- Created a forum-style social media website using React.js, Firebase, and Git where users can log in with Google accounts to make text posts, thumbs-up other users' posts, and comment

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 Fall 24' 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, and writing an official constitution for chapter

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