

Kai A. Hoenshell

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EDUCATION

University of Cincinnati | Cincinnati, OH

Expected Graduation May 2025

B.S. - Computer Science, Minor in Mathematics, University Honors Scholar, Dean's List

Cumulative GPA: 3.475

SKILLS

Languages: Python, SQL, JavaScript, TypeScript, C, C++, HTML/CSS, Java, Lua, LabView,

Technologies: Git, AWS, Regex, ReactJS, ReactTS, Dash, Docker, Flask, Google Cloud, NodeJS

Coursework: Data Structures and Algorithms, Discrete Structures, Linear Algebra, Intro to Computer Systems, Programming Languages, Computer Networking

PROJECTS

Ghosting Apes

Please email me if you wish to see the github with the code

- Working on a Fighter Game that includes characters of people I know in real life using C++ and the SFML library

MotionPush

- Collaborated MakeUC 2021 project that allows user to use git through the terminal by using physical and audio actions
- Created a finger identification algorithm with Python, bash scripts to push in git, and Assembly AI for audio cues

Quarantine

- Made a Dungeon Crawler game made with the Unity Engine. You play as Trump fighting COVID 19 with projectile masks

NutriScan

- Developed a static website that uses Tensorflow AI to scan the food on your plate and tell you what you are missing for a balanced dinner meal.
- Directed you to the nearest food store around you that has whatever food you are missing using Google Cloud API

EXPERIENCE

Software Engineering Co-op, GE Appliances, Louisville, Kentucky

August 2021 - August 2022

- Implemented, designed, reviewed, and tested embedded software using Object Oriented C/C++ and Lua
- Tested and debugged system software for appliances using loadboxes and simulations
- Worked with a large team environment both locally and in South Korea in a Scrum manner that includes a variety of engineering disciplines

Computer Science Tutor, Bearcat Coders, Cincinnati, Ohio

August 2020 - August 2021

- Taught students the fundamentals of programming, problem solving, and algorithm design by using personal project-based approach to guide students through building their own applications using Scratch, Python, HTTP/CSS
- Developed a curriculum and led a team of two other tutors to run week long (20hr/wk) virtual coding boot camps where students develop and present a personalized project by the end of the camp.

LEADERSHIP AND ACTIVITIES

Technology Chair Exec, Engineering and Applied Science Tribunal, Cincinnati OH

October 2021 - April 2021

<https://tribunal.uc.edu/>

- Used React and AWS to create and manage full stack web applications and digital forms for the College of Engineering
- Helped organize and run Tribunal sponsored events such as the Career Fair, Resume Review Day, and Movie Nights

Darwin T. Turner Scholarship Program, Ethnic Programs & Services, Cincinnati, OH

August 2020-Present

- Awarded full tuition for diversity engagement, community service, and academic success to embody the cornerstones of Turner Program throughout the community: scholarship, service, and success
- Complete over 30 hours of community service annually throughout the Cincinnati community and beyond

Available for co-op alternating semesters beginning Summer 2023