

Cooper Brown

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Qualifications Summary

Self-motivated and highly reliable Drake University student positioned to contribute with an exemplary work ethic and can-do attitude. Highly dependable and enjoys working with people. Extremely passionate about programming and technology both in and out of academic settings.

Technical Skills

Programming skills — Extremely knowledgeable in Python, Java, C#, and Rust. With experience in MIPS assembly, JavaScript, React, Next, R, C, C++, SQL, and Lua. Has completed core computer science coursework adeptly utilizing and understanding data structures, and algorithms.

Cloud Computing — Experience with AWS (EC2 RDS) and Linux

AI — Has Experience developing generative AI such as Natural Language Processing and image generation models. Experience with scikit-learn, Keras and pyTorch.

Git — Experience working and leading teams of people using git CI/CD pipelines.

Deployment — Extensive knowledge of Deploying software from working professionally with Docker, Jenkins, and Ansible.

Major Projects

MIPS Emulator — A functioning MIPS interpreter written in python, utilizes pytest to preform Unit tests and integration tests: [Gitlab Link](#)

Tafl AI — A desktop app built with the Tauri framework in rust. Simulates Tafl games, includes an AI using minimax with alpha - beta pruning. : [Gitlab Link](#)

Soft Skills

Leadership — Highly calm in stressful situations and able to lead people to accomplish a task successfully.

Problem-solving — Able to assess and complete complex and challenging problems in a timely manner

Communication — Able to communicate highly complex subjects in a concise way.

Positions

ADB Global — Software Engineering Intern 2023 — 2024

Worked With the vuTyme team in Urbandale, Iowa. Worked on the development of tests and essential tools to streamline development. Used essential tools such as Git, Docker, and Jenkins.

Youth Tech Inc. — Lead Instructor 2023 — 2023

Was the lead of summer camps at the Des Moines Area Community College. Teaching a wide variety of topics, including programming and website Design.

Education

B.S. / B.A. in Computer Science and Artificial Intelligence – Drake University 2021 — 2025

Double major in Computer Science and Artificial Intelligence, with a minor in LEAD (Leadership Education and Development) with a 3.60 GPA, 2022, 2023 Deans list, 2023 Presidents list

Personal Achievements

Part of a team developing an ethnically diverse machine learning American sign language data set and machine learning model.

Fluent in English, working proficiency in French, and intermediate in American Sign Language.