

Camden Kirkpatrick

Des Moines, IA 50310

camdenckirkpatrick@gmail.com | 515-525-8011

LinkedIn: [linkedin.com/in/camdenckirkpatrick/](https://www.linkedin.com/in/camdenckirkpatrick/)

Portfolio Website: portfolio-camden.vercel.app/

PROFESSIONAL SUMMARY

Computer Information Systems graduate (3.97 GPA) proficient in Python, C++, Java, and SQL. Designed and deployed a live full-stack helpdesk application with JWT authentication and a tested REST API, and built a 3D software renderer from scratch in C. Seeking an entry-level software or backend development role where I can apply strong problem-solving across the full stack, with a solid foundation in API design, testing, and object-oriented programming.

SKILLS

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

Some Experience: PHP, C#, TypeScript

Tools: REST API Design, Git, Make, GDB, FastAPI, Next.js, Tailwind CSS, Pytest, JUnit 5, Raylib

Soft Skills: Problem-Solving, Teamwork, Communication

PROJECTS

Helpdesk Ticket System (FastAPI, SQLAlchemy, JWT, SQLite, Pytest) - ([live link](#))

- Designed and deployed a full-stack helpdesk application with JWT authentication, secure password hashing (bcrypt), and per-user data isolation enforced at the database level.
- Implemented 8 RESTful CRUD/search/PATCH endpoints with query-parameter filtering and automated backend testing in pytest.

3D Software Renderer (C) - ([GitHub link](#))

- Built a real-time software renderer from scratch, implementing perspective projection, camera controls, triangle rasterization, z-buffering, lighting, and texture mapping.
- Developed all 3D math from scratch - vector operations and 4×4 matrix transformations for model, view, and projection - without relying on a graphics library like OpenGL or DirectX.

Portfolio Website (Next.js, React, TypeScript, Tailwind CSS) - ([live link](#))

- Designed a responsive single-page portfolio with a contact form backed by a serverless email API; built with the Next.js App Router and Tailwind CSS, deployed on Vercel.

WORK EXPERIENCE

Fareway - Deli Clerk (2023 - present)

- Collaborated with team members to keep the deli stocked, organized, and running smoothly during busy hours.
- Prepared and smoked meats on a commercial smoker, monitoring cook times and temperatures to ensure quality and food safety.
- Maintained a clean and sanitary work area by following food safety and hygiene standards.

EDUCATION

Des Moines Area Community College - Ankeny, IA

Associate of Applied Science, Computer Information Systems - 05/2025 | GPA: 3.97 / 4.00

- Dean's List: Fall 2023, Fall 2024
- President's List: Spring 2024, Summer 2024, Spring 2025