MCCADE LIBBY

ASPIRING SOFTWARE ENGINEER

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PROFILE

Driven developer with hands-on experience in full-stack web applications, data processing pipelines, and backend architecture. Applies strong attention to detail and time management to build clean, maintainable code. Quick to learn new tools and technologies, with a focus on usability, performance, and solving real-world problems. Excels in collaborative environments and values clear communication and continuous improvement.

EDUCATION

ST CLOUD STATE UNIVERSITY / 2025

COMPUTER SCIENCE
GPA: 3.52
MAGNA CUM LAUDE

RELEVANT COURSEWORK:

Data Structures & Algorithms, Object-Oriented Programming, Databases, Deep Learning, Computer Architecture, Linear Algebra

TECHNICAL SKILLS

Python
SQL / PostgreSQL
Java / C++ / C#
HTML / CSS
JavaScript / Node.js
JSON

TOOLS & FRAMEWORKS

Git
Flask
Bootstrap
REST APIs
VS Code
Jupyter

PROFESSIONAL EXPERIENCE

PROJECTS

BOOK REVIEWS WEB APPLICATION
PYTHON / FLASK / POSTGRESQL

- Developed a full-stack web app with user registration, login, book search, and review submission features.
- Implemented user authentication and session management with Flask-Login; designed a PostgreSQL schema to manage users, books, and reviews.
- Integrated Goodreads API and built RESTful endpoints to serve enriched book data in JSON format.
- Styled the frontend with Bootstrap to ensure responsive design and smooth user experience.

ZIP CODE DATA MANAGEMENT SYSTEM
C++ / OBJECT-ORIENTED PROGRAMMING

- Developed a modular CLI suite to manage ZIP Code data using blocked sequence sets and metadata, supporting efficient insertions, deletions, and logging.
- Built tools for XLSX-to-CSV conversion with automated record validation and error handling.
- Integrated a primary key index to enable fast, accurate searches and validation workflows.
- Authored detailed technical documentation, including a user guide and Doxygen reference.

WORK EXPERIENCE

ENVIRONMENTAL SERVICES TECHNICIAN
ST. CLOUD VA MEDICAL CENTER, ST. CLOUD, MN
AUG 2023 – PRESENT

- Collaborate with nursing teams and hospital departments to maintain a clean and safe environment, demonstrating strong teamwork and attention to detail.
- Ensure full compliance with VA and OSHA infection control standards, emphasizing time management and precision in daily tasks.
- Proactively developed a custom Python script to streamline product ordering, showcasing initiative and an enthusiastic approach to learning.

STORE SAFETY & WELLNESS COORDINATOR
KWIK TRIP #151, ST. CLOUD, MN
SEP 2022 – APR 2023

- Maintained register accuracy and managed daily transactions, ensuring attention to detail and integrity in all customer interactions.
- Supported store operations including inventory, sanitation, and customer support with a friendly, approachable demeanor.
- Utilized industrial cleaning equipment (Kaivac, floor scrubbers) to meet health and safety regulations, balancing time management with quality control.