

Kevin Dacanay

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Education

Lewis University

Removille, IL

Bachelor of Science in Computer Science, Minor in Cybersecurity

Aug. 2023 – Dec 2026

Coursera Coursework

Meta & Google professional coursework in software development,
web technologies, and cloud fundamentals

Aug 2023 – Present

Experience

LewisMarketplace – E-Commerce Web Application

Dec 2025 – Present

Django | Django Rest Framework | MySQL | Docker

- Designed and developed a modular Django backend using REST architecture to support marketplace functionality
- Implemented RESTful APIs for user authentication, product listings, messaging, and forum-based interactions
- Modeled relational database schemas in MySQL to handle users, listings, orders, and forum posts
- Actively documenting system architecture and API contracts for long-term maintainability

KPad Text Editor

Aug 2025 – Present

C++ | Qt Framework

- Developed a lightweight desktop text editor inspired by Notepad++ using C++ and Qt
- Designed a GUI-based application using Qt widgets and event-driven architecture
- Focused on clean code organization and extensibility for future features such as syntax highlighting

Bare Bones Operating System

Jan 2025 – Present

C++ | x86 Assembly | CMake

- Built a custom 32-bit bare-metal operating system from scratch
- Created and used a custom i686-elf-g++ cross-compiler for kernel development
- Implemented a C++ kernel with direct VGA text-mode memory access for terminal output
- Wrote low-level boot and initialization code in x86 assembly

Flask Blog Application

Aug 2025 - Present

Flask | Jinja2 | SQLite

- Built a server-rendered blog application using Flask
- Implemented user authentication, RESTful API endpoints, and follower relationships

Technical Skills

Languages: Python, Java, C++, C, Javascript, HTML/CSS, R, Lua, x86 Assembly

Frameworks: Django, Django Rest Framework, Flask, ReactJS, FastAPI

Databases: MySQL, PostgreSQL, SQLite, MongoDB, Firebase Firestore

Developer Tools: Git, Docker, Github Actions, VSCode, PyCharm, IntelliJ, Notepad++, Insomnia, Linux,
Google Cloud Platform, AWS

Libraries: Pandas, NumPy, Matplotlib, SciPy, Tensorflow, scikit-learn, Bootstrap, Socker.IO