Godfred Fianu

LinkedIn Page   GitHub Page

SUMMARY

College professor learning software-development with extensive experience solving complex problems, analyzing data, and building systems through years of research, teaching, and project leadership. Skilled in Java, JavaScript, React, and modern development workflows, with hands-on experience building full-stack applications through LaunchCode and independent projects. Seeking a software development role where I can apply analytical thinking, clean coding practices, and user-focused design to build scalable, impactful applications.

LANGUAGES | FRAMEWORKS | TOOLS

Java, JavaScript | React | HTML, CSS, Git, GitHub, IntelliJ, VS Code, Netlify, Node.js (basic), MySQL Workbench

EXPERIENCE

ChemLearn — LaunchCode Unit 1 Project

A React-based educational web application designed to help students learn Organic Chemistry through videos, notes, quizzes, dashboards, and interactive tools.

- Developed a scalable component architecture using React, React Router, and custom hooks to support dynamic lecture pages, quizzes, and dashboards.
- Built responsive UI layouts with CSS modules, grid systems, and reusable design patterns to ensure mobile, tablet, and desktop compatibility.
- Implemented logic for quizzes, comment systems, conditional rendering, and localStorage-based user progress tracking.
- Integrated Git/GitHub workflows including feature branching, pull requests, and Netlify deployment for continuous updates and testing.
- Full Project Tech Stack: React, JavaScript, HTML5, CSS3, Vite, React Router DOM, Git, GitHub, Netlify

Assistant Professor — Moravian University

August 2022 - Present

- Designed digital learning systems, interactive tools, and structured problem-solving workflows used by 50+ students each semester.
- Led teams of 3–5 undergraduate researchers, applying agile-style project management skills: breaking work into tasks, debugging issues, and guiding iterative improvements.
- Analyzed experimental and computational data with scientific software tools, maintaining accuracy and efficiency across multiple concurrent projects.
- Built and evaluated complex workflows involving instrumentation, data collection, automation, and troubleshooting—skills directly applicable to debugging and software testing.
- Collaborated across departments, coordinated lab operations, and ensured timely delivery of high-impact academic projects.

Laboratory Coordinator & Instructor — Moravian University

Spring 2019 - Summer 2022

- Managed full laboratory operations, developing structured protocols and documentation used across multiple courses.
- Trained and supervised student workers, ensuring quality control, safety compliance, and efficient workflow management.
- Created instructional materials and digital resources, improving clarity, usability, and student engagement.

- Streamlined experimental processes and implemented systematic troubleshooting strategies that improved lab efficiency.

EDUCATION

LaunchCode, Software Development Program, *In Progress*
Coursework: Java, JavaScript, OOP, Git/GitHub, Web Development, Problem Solving

Lehigh University, Ph.D., Chemistry
Principia College, B.S., Chemistry