Frank Obedi

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EDUCATION

Wilfrid Laurier University   Waterloo, ON
Bachelor of Science in Computer Science   *Sep 2020 – Apr 2025*
GPA: 3.0
Relevant Courses: Software Engineering, Object Oriented Programming, Algorithm Design/Analysis

EXPERIENCE

Production Engineering Fellow   Jun 2024 – Sep 2024
MLH - Meta   *Remote*

- Completed a 12-week structured curriculum on core Production Engineering topics, gaining practical skills through hands-on workshops and events led by industry experts.
- Developed an open-source personal portfolio website template using Python, Flask, Jinja, MySQL, Nginx, and unittest, significantly enhancing full-stack web development skills.
- Leveraged Docker containers to develop and deploy microservice-based architectures, ensuring cross-environment compatibility and speeding up deployment by 50%.
- Set up system and container monitoring with Prometheus and Grafana, improving system reliability and performance through real-time alerting.
- Automated testing and deployment workflows using CI/CD pipelines (GitHub Actions), reducing manual intervention by 40% and ensuring consistent, reliable deployments.

Web Development Intern   Jul 2023 – Sep 2023
North York Arts   *Toronto, ON*

- Developed back-end and front-end code and implemented design concepts, contributing to the successful relaunch of the organization's website.
- Optimized website performance by reducing page load times by 50% using caching, minification, and other optimization techniques, resulting in improved user experience and a significant increase in site engagement.
- Implemented responsive web design to improve accessibility and user experience across devices, increasing mobile traffic by 40% and overall site visits by 20%.

PROJECTS

Bike Shop Manager | *Java, JavaFX, MySQL*   Mar 2023 – Apr 2023

- Collaborated with a team of 3 to develop a work order management desktop application for a bike repair shop, enhancing teamwork and project management skills.
- Gained expertise in JavaFX, implementing features such as login, work order management, and customer registration, enhancing user experience and system efficiency.
- Designed and optimized a MySQL database to manage customer data, work orders, and repair items, increasing work efficiency by 50%.
- Video Demo: https://www.youtube.com/watch?v=ZDVa43x2r94

CityWeather | *Python, Flask, JavaScript, HTML, CSS, Git*   Feb 2023 – Mar 2023

- Gained hands-on experience with RESTful APIs, data handling, and web development by developing a weather app with Flask and the OpenWeatherMap API.
- Learned to use the Python requests library for fetching JSON data and developed front-end skills with HTML, CSS, and JavaScript for creating responsive and user-friendly interfaces.
- GitHub: https://github.com/FrankObedi/CityWeather
- Live Demo: https://city-weather-app-virid.vercel.app/

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, SQL
Frameworks: Flask, React, Node.js, Django
Databases: MongoDB, MySQL
Developer Tools: Docker, Git, AWS services (S3, RDS), GitHub Actions, VS Code, Linux