Noah Yanga

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Education

Red River College Polytechnic   Sept 2022–Dec 2024
Business Information Technology Diploma with Honours

Experience

Software Developer Co-op @ ACE Project Space — *JavaScript, PHP*   Apr 2024 – Aug 2024

- Enhanced a dynamic website in a 6-member Agile team, utilizing **Git** for version control and conducting regular **code reviews** to ensure high-quality, maintainable code.
- Designed and implemented an administrative dashboard, enabling efficient user management and automated email communications using **PHPMailer**, which **reduced manual workload by 30%**.
- Integrated **Mapbox API** to deliver interactive mapping features, improving user engagement by **20%**.
- Optimized website performance, reducing load speeds by **95%** through code refactoring and image compression.
- Conducted **live demos** for clients, gathering feedback to drive iterative improvements.

Projects

GESSCAM Community Platform — *React, Next.js, PostgreSQL, Vercel*   Jan 2025 – Feb 2025

- Developed a full-stack community platform with user authentication, admin tools, and responsive design, supporting over **500 concurrent users**.
- Integrated **Cloudinary** for media management and **Prisma ORM** for efficient database operations, reducing query times by **40%**.
- Deployed the platform on **Vercel**, achieving **99.9% uptime** and seamless scalability.

Weather Processing App — *Python, SQLite, Matplotlib*   Nov 2024

- Built a data analysis app to process historical weather data from the Government of Canada API, handling over **2000+ data points**.
- Created interactive visualizations using **Matplotlib**, enabling users to identify trends and patterns.
- Implemented multithreading to improve data scraping speed by **80%**, greatly reducing processing time

Prairie Plants — *Ruby on Rails, Bulma, Fly.io, Stripe API*   Nov 2024 – Dec 2024

- Designed and deployed an e-commerce platform for plant products, integrating **Stripe API** for secure payment processing.
- Optimized hosting on **Fly.io**, reducing latency by **30%** and improving user experience.
- Implemented a responsive UI using **Bulma**, ensuring compatibility across devices.

Productivity App — *React, React DnD, Netlify*   Oct 2024

- Developed a drag-and-drop task manager with priority tagging and completion tracking.
- Utilized **React DnD** for seamless task organization and local storage for data persistence.

Technical Skills

Languages: PHP, JavaScript/TypeScript, C#, HTML/CSS, SQL, Python, Ruby on Rails
Frameworks: Bootstrap, React, .NET, Bulma, Ruby on Rails
Tools: Git, GitHub, VS Code, Neovim, Netlify, Docker
Libraries: Mapbox API, React DnD, PHPMailer, SQLite, Matplotlib
Other: Agile Development, REST APIs, CI/CD, Linux, Responsive Design