

ICHTY TE

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EDUCATION

Diploma in Computer Programming and Co-op, GPA: 3.3 / 4.0 *Expected Graduation - Dec 2026*
Relevant Coursework: Object Oriented Programming, Website Development, Data Structures & Algorithms, Networking

Bachelor of Architectural Design, GPA: 3.4 / 4.0 *Jan 2023 – Sep 2024*
Relevant Coursework: 3D model, 2D model, Visual Design, UX/UI Design

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, HTML, CSS, C#, PHP, Python
Frameworks & Tools: ReactJs, ASP.NET, Git, GitHub, Azure Cloud
Database: MySQL, SQL Server Management Studio, PostgreSQL
Engineering: AutoCAD, SketchUp Pro
Additional Tools: Adobe Creative Suit, MS office 365, Cisco, Azure, Figma, Affinity

HACKATHONS & AWARDS

AutoHack 2.0 – Second Place **Georgian College, Barrie, Ontario**
UX Lead – Team Ctrl Alt Elite | C++, Arduino, PostgreSQL, scikit-learn, Groq API, Llama 3.3-70b *March 6, 7*

- Led UX design and system architecture for Honda EQM, a predictive equipment failure monitoring system deployed on embedded hardware.
- Engineered Arduino firmware with DS18B20 temperature and MPU-6050 vibration sensors to capture real-time machine health data.
- Integrated a scikit-learn anomaly detection model and Llama 3.3-70b via Groq API to surface predictive insights and natural-language alerts.
- Coordinated a cross-functional team across firmware, ML, and UI tracks under a 24-hour competition timeline, delivering a fully functional prototype.

WORK EXPERIENCES

Tiger White Group **Phnom Penh, Cambodia**
UX/UI Designer | HTML, CSS, JS, REACTJS, Figma *Feb 2023 – Jan 2024*

- Designed 50+ marketing materials, product packages, and digital graphics aligned with brand identity.
- Applied professional-level UI/UX principles across 10+ digital projects, improving customer engagement and visual consistency.
- Coordinated with 5+ cross-functional teams to deliver creative solutions under tight deadlines.
- Delivered 30+ creative assets through an efficient, organized workflow, ensuring consistent quality and on-time completion.

PROJECTS

Honda EQM – Predictive Equipment Monitoring | C++, Arduino, PostgreSQL, scikit-learn, Groq API

- Built predictive failure detection system for Honda manufacturing equipment using sensor fusion (DS18B20 + MPU-6050) and ML anomaly detection.
- Developed real-time dashboard and natural-language alert system powered by Llama 3.3-70b, reducing manual inspection overhead.
- Won 2nd place at AutoHack 2.0 competing.

RAYM Sneaker Store - School Project | PHP, CSS, MySQL, Railway, Render

Nov 2025 – Dec 2025

- Developed a CRUD-based ordering system supporting 20+ sneaker items, allowing users to browse products, place orders, edit selections, and view order history.
- Built admin functionality to manage inventory, pricing, improving backend workflow efficiency.
- Integrated PHP and MySQL to handle order logic, data validation, and dynamic content rendering with 100% database accuracy across operations.

KromTrip – Personal Product | React, Vite, JavaScript, CSS, Vercel

- Designed and built a travel planning web app end to end as a personal product, featuring user authentication so users can sign in, create accounts, and manage their trips from a single dashboard.
- Implemented trip creation, editing, and itinerary organization with state persisted in the browser through localStorage for a seamless return experience.
- Developed a responsive, component based UI with a clean flow from sign in to planning, optimized for fast load times.