

Vanshaj Vohra

📍 Waterloo, ON ✉ v6vohra@uwaterloo.ca ☎ +1 (226) 899-1668 🌐 vanshajvohra 🖱 vanshaj.me

WORK EXPERIENCE

Product Development Intern, Ford Motor Company Sep 2023 – Dec 2023

- Diagnosed build crashes and system message logs during sanity testing and wrote comprehensive user stories with actionable insights to support developers.
- Reduced broadcast delays during Android Auto boot up in Ford infotainment systems by 60% in Java & Kotlin.
- Implemented security features to block unauthorized third-party apps from launching on the cluster display.

Product Management Intern, Tecsys Jan 2023 – Apr 2023

- Authored 30+ user stories and conducted product backlog refinement meetings, defining the architecture of a headless omnichannel order management platform comprising 25+ REST APIs and microservices.
- Developed environment-agnostic Postman collections for Tecsys APIs, reducing client setup time by 35%.
- Outlined and published content marketing materials, including case studies, highlighting the benefits of using REST APIs for supply chain and warehouse management.

Product Developer, AutoCate May 2022 – Aug 2022

- Pioneered and launched a company dashboard in Python and Flask that acts as an interface between the admin and the users, and allows for CRUD operations and user authentication.
- Conducted market research, wrote a comprehensive Product Requirements Document, and designed usability studies for 100+ beta users to determine the top addressable challenges and iterated based on the feedback.

Software Engineering Intern, Ciena Sep 2021 – Dec 2021

- Built an initial prototype of a web-based visualizer in JavaScript to visualize key relationships between different network domains & microservices, impacting 250+ developers with real-time troubleshooting.
- Designed & developed automated test suites in Python for a file system microservice that uses YANG RPCs to execute Linux commands as part of a standardized framework for Ciena's packet optical products.

SKILLS

- **Programming Languages:** Python, TypeScript, JavaScript, C, C++, Java, Kotlin, HTML & CSS, Racket, SQL
- **Technologies/Frameworks:** React, Git, Flask, Docker, Linux, Figma, Postman, JIRA, Jenkins
- **Other:** Scrum, Product Strategy, User Research, Wireframing & Prototyping, Public Speaking, Communication

EDUCATION

Bachelor of Computer Science(Honours), University of Waterloo Sep 2020 – Apr 2025

Major: Computer Science(Honours) with Human-Computer Interaction Specialization

Relevant Coursework: User Interfaces, Entrepreneurial Strategy, Business Technology and Infrastructure, Algorithms, Operating Systems, Data Structures and Data Management, Introduction to Artificial Intelligence, Object-Oriented Programming, Software Design and Architectures, Foundations of Entrepreneurial Practice

PROJECTS

Resonance, Social Music Streaming Network Dec 2022

- Conceptualized a community-based social music streaming service and designed a comprehensive customer acquisition strategy using the Bowling Alley framework for user adoption after identifying key beachhead groups, establishing a serviceable obtainable market of 2.2 million users.
- Conducted a thorough market and competitive analysis to support the unique value proposition and defended it using a detailed analysis of Porter's 5 Forces model for the music streaming industry as part of a team of four.

Lingz, Multilingual Learning Service Jan 2019

- Led a team of four to the 2018-19 Conrad Innovation Challenge semi-finals by conceptualizing a service that translates MOOCs to multiple languages through audio translation, making online education more accessible.
- Drove product strategy that included building partnerships with existing MOOC providers and an extensive subscription-based business model that demonstrated the ability to increase profit by 35% yearly.
- Created high-fidelity mobile and web wireframes using Figma to showcase the service's user interface.