Anton Panfilenok

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PROFESSIONAL EXPERIENCE

Full-Stack Web Developer & UX Researcher
Innovere

July 2024 – Present
Vancouver, BC

- Building an **event ticketing platform** using **React** and **Material UI** targeted at **small-scale event hosts**, researching **anti-scalping measures** and planning an **integrated marketplace** to prevent price gouging while enabling legitimate ticket transfers.
- Conducted **UX research** by **interviewing** and **distributing questionnaires** to members of the **target user base** to develop a **friendly user journey** and make **informed decisions on MVP requirements**.
- Developing a **geographic information system web application** using **React** and **Material UI** for placing and viewing user-generated content at specific coordinates, implementing a **tile proxy server** with dynamic fallback to upstream providers, IP and GPS-based **geolocation**, and **Nominatim geocoding** using **OpenLayers**, **PostGIS**, and **GeoServer**.

Web Developer
Solstice Design

Jul. 2024 – Oct. 2024
Vancouver, BC

- Built a **PDF invoice generator** to **automate customer billing**, **increasing efficiency** throughout the billing process.
- Attended meetings with the program director to facilitate **clear communication**, ensuring alignment between customer needs and project results.
- Assisted with **webpage layout**, **color schemes**, and overall **design** as a consultant, **improving customer satisfaction** with webpage interfaces.

Junior Web Developer
SpeakWeb Inc.

Oct. 2021 – Sept. 2023
Vancouver, BC

- Built an **AI-integration extension for VS Code** as an internal development tool, enabling team members to receive **contextual advice** and **in-place code edits** via ChatGPT API calls, with support for **automated file and code snippet transmission** based on relevance and dependency, with support for manual user selection.
- Created a **web-based educational game** that leverages **LMM inputs and feedback** to guide users through **test-based code modification**, helping them develop more effective prompting skills through interactive challenges and feedback loops.
- Developed a **massage service comparison site** using **Selenium web scraping** and the **JaneApp API**, implementing automated **data filtering and normalization** and **adaptive scraping logic** to support long-term maintainability.

PROJECTS

Space Exploration Hub

Jun. 2025 – Aug. 2025

- Led a team of four as **project manager** and **lead full-stack developer** under an **Agile Scrum** workflow, coordinating sprints, feature integration and biweekly progress reports.
- Implemented a fully interactive **3D globe visualization** using **globe.gl** to display real-time satellite and launch data from the **Celestrak** and **Launch Library 2 APIs**.
- Engineered a **time-controllable satellite tracking system** supporting real-time, historical, and projected orbital visualization across a 14-day window.
- Implemented **satellite search and focus features**, allowing users to locate satellites by name or ID and visually lock onto them as the globe dynamically rotated to maintain center tracking.

SKILLS

Languages: C/C++, HTML/CSS, JavaScript/TypeScript, Python
Frameworks: Koa, Material UI, React
Libraries: AJV, DayJS, Formik, Leaflet, OAS3, OpenLayers, globe.gl (three.js), Satellite.js, Selenium
APIs & Services: Celestrak, Discord.js, GeoServer, Launch Library 2, Nominatim, OpenAI API, Stripe API

EDUCATION

Simon Fraser University
Bachelor of Applied Sciences in Computing Science

Vancouver, BC
Jan. 2024 – Present

Douglas College
*Certificate of Computing Science - **3.74 GPA***

Vancouver, BC
Feb. 2020 - Feb. 2021