

# Anton Panfilenok

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## PROFESSIONAL EXPERIENCE

<b>Full-Stack Web Developer &amp; UX Researcher</b>   <i>React, Koa, PostgreSQL, Stripe</i>	July 2024 – Present
<i>TicketRebel</i>	Vancouver, BC
<ul style="list-style-type: none"><li>Building an <b>event ticketing website</b> catering to <b>entry-level event hosts</b>.</li><li>Conducting <b>UX research</b> by <b>interviewing</b> and <b>distributing questionnaires</b> to members of the <b>target user base</b> to develop a <b>friendly user journey</b> and make <b>informed decisions on MVP requirements</b>.</li><li>Designing an <b>event-sourcing based database</b> comprised of <b>WAL-based persistent storage</b> and <b>unlogged projection tables</b> to ensure <b>transactional integrity</b>, enable <b>state reconstruction</b>, and allow for <b>low-latency operations</b>.</li></ul>	
<b>Web Developer</b>   <i>React, MUI, React-To-PDF</i>	Jul. 2024 – Oct. 2024
<i>Solstice Design</i>	Vancouver, BC
<ul style="list-style-type: none"><li>Built a <b>PDF invoice generator</b> using React, MUI, and React-To-PDF to <b>automate customer billing, increasing efficiency</b> throughout the billing process.</li><li>Attended meetings with the program director to facilitate clear communication, ensuring alignment between customer needs and project results.</li><li>Assisted with <b>webpage layout, color schemes</b>, and overall <b>design</b> as a consultant, <b>improving customer satisfaction</b> with webpage interfaces.</li></ul>	
<b>Junior Web Developer</b>   <i>React, Selenium, ChatGPT</i>	Oct. 2021 – Sept. 2023
<i>SpeakWeb Inc.</i>	Vancouver, BC
<ul style="list-style-type: none"><li>Built an <b>AI-integration extension for VS Code</b> as an internal tool (before the release of similar tools), enabling team members to receive <b>contextual advice</b> and <b>in-place code edits</b> via ChatGPT API calls, with support for <b>automated file and code snippet transmission</b> based on relevance and dependency, with support for manual user selection.</li><li>Created a <b>web-based educational game</b> that leverages <b>ChatGPT</b> to guide users through <b>test-based code modification</b>, helping them develop more effective prompting skills through interactive challenges and feedback loops.</li><li>Developed a <b>massage service comparison site</b> using the <b>JaneApp API</b> and <b>Selenium</b>-based web scraping, implementing automated <b>data filtering and normalization</b> and <b>adaptive scraping logic</b> to support long-term maintainability.</li></ul>	

## PROJECTS

<b>Virtual Floorplan Pathfinding Robot</b>   <i>Python, Tkinter, PIL</i>	Dec. 2023 – Present
<ul style="list-style-type: none"><li>Developed a <b>visual floorplan</b> and <b>pathfinding simulation program</b>, applying pre-existing solutions and algorithms to maximize focus on innovation.</li><li>Implemented an <b>image-based floorplan generation system, collision integration</b>, and an <b>octo-directional LIDAR system</b> to accurately simulate real-world situations.</li><li>Researched <b>optimal pathfinding strategies</b> and <b>algorithms</b> through testing and data-collection in the floorplan simulator to maximize <b>pathing efficiency</b>.</li><li>Implemented <b>floorplan movement</b>, controllable by both <b>user inputs</b> and <b>pathfinding algorithms</b> to allow for greater flexibility in robot movement.</li></ul>	

## SKILLS

**Languages:** JavaScript/TypeScript, HTML/CSS, PostgreSQL, Python, C++

**Frameworks:** React, Material-UI, Koa

**Libraries:** AJV, OpenAPI/OAS3, Stripe, Selenium, Leaflet, DayJS, Formik, Yup, DiscordJS, ChatGPT

**Developer Tools:** Git/Github, Docker, WebStorm, CLion, Visual Studio, MATLAB

## EDUCATION

<b>Simon Fraser University</b>	Vancouver, BC
<i>Bachelor of Applied Sciences in Computing Science - 3.25 GPA</i>	Jan. 2024 – Present
<b>Douglas College</b>	Vancouver, BC
<i>Certificate of Computing Science - 3.74 GPA</i>	Feb. 2020 - Feb. 2021