

Skills

Development C++, Python, Java, JavaScript, TypeScript, React, SQL, Docker, Node.js, MongoDB, HTML/CSS, Git
Tools Jira, Confluence, Figma, Google Cloud Platform, Salesforce, Metabase
Product Data analysis, User research, Wireframing, User interviews, User journeys, Agile/Scrum methodologies

Work Experience

Ethi Remote

Product Owner Intern Mar. 2021 - Jul. 2021

- Led team of 4 engineers & data scientists in **researching, prototyping, and concept testing experimental models** that use Spotify data to predict user moods for **3000+** active users and help them be in control of their own data
- Developed product roadmap, project KPIs, user research plans, user journeys, and facilitated 12 user interviews
- Collected and analyzed user feedback, quantitative metrics via **Metabase** to help team refine **product vision** and timelines
- Initiated **team-wide developer documentation system** in Notion to streamline onboarding and knowledge-transfer

TD Asset Management Toronto, Ontario

Quantitative Portfolio Research Developer Jan. 2021 - Apr. 2021

- Developed and back-tested interactive portfolio analysis tools managing **\$100+ billion AUM** using React, Django, SQL
- Reduced tech debt in **fair-allocation algorithms** for Bond Funds with NumPy & Pandas, affecting **\$1.8+ billion AUM**
- Scoped out roadmap and architecture for new **ESG portfolio management tools** and facilitated UX testing with 8 users
- Built **RESTful APIs** in Django to serve real-time and historical quantitative data, improving portfolio manager usability

Kooltra Toronto, Ontario

Senior Associate Software Engineer May 2020 - Aug. 2020

- Built multiple **client-facing dashboards** using React and GraphQL, and APIs with Salesforce backend using Apex (Java)
- Improved dashboard performance by caching and refactoring React components, reducing re-renders by **23%**
- Refactored automated acceptance test suites using Selenium, Gherkin, and Python, reducing test runtimes by **15%**
- Assisted Product Lead with high-fidelity wireframes, data analysis, defining product roadmaps, and 5 user interviews

Royal Bank of Canada Toronto, Ontario

Innovation Developer Jul. 2019 - Aug. 2019

- Redesigned and built frontend of internal talent and performance management platform for **1700+ employees** with Angular
- Served as an **Agile** Product Manager for onboarding flow; wrote user stories, conducted UX research, managed tasks on Jira

Leadership & Community

Hack the North 2021

Logistics Organizer & Product Manager

- Led team in recruiting and onboarding **36** workshop leads for Canada's biggest hackathon with **3300+** total attendees
- Product Manager on team of 8 engineers & designers for hacker dashboard and **team formation tools** with **900+** total users

UW Blueprint | frontend & backend repositories

Fullstack Developer (on Raising the Roof, an NPO focused on long-term homelessness solutions)

- Built checkout flows, Shopify integrations, and email services for Raising the Roof's e-commerce fundraising platform, which has raised more than **\$8 million** to date
- Set up **CI/CD pipeline** with Heroku & Docker and built microservices in Node.js, PostgreSQL, and GraphQL

Education

University of Waterloo and Wilfrid Laurier University Waterloo, Ontario

Candidate for Computer Science and Business Administration Double Degree 2019 - 2024

- President's Scholarship of Distinction, David Shepherd Upper-Year Scholarship, and Economical Insurance IT Scholarship
- Awards:** BDO New Venture 1st place (200+ teams), Microsoft – Discover AI (Fintech) 1st place, Hack the North 2019 API prize