

Lucas Kim

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EDUCATION

University of Waterloo

BSE, Software Engineering

Waterloo, ON

September 2024 – Present

EXPERIENCE

Innovation Developer

Royal Bank of Canada

July 2024 – August 2024

Toronto, ON

- Worked with an Agile team of 4 high school students to build and deploy a mortgage calculator using Angular, Spring Boot, Jenkins, and OpenShift 4 to help 180,000+ clients renew their mortgages
- Demonstrated the project to 100+ stakeholders, earning recognition for technical execution and presentation

Tutor Website Manager

NewArts Toronto

May 2023 – September 2023

Remote

- Managed an online tutoring service with 60+ tutors and 500+ tutoring sessions per month
- Implemented a GPT-3.5 AI tutor with output streaming, voice control, interactive activities, and function calling
- Adjusted colour contrast and metadata to comply with Web Content Accessibility Guidelines (WCAG)
- Led weekly meetings with a team of 20+ volunteers to discuss changes and potential new features for the website

Quality Assurance Analyst

GoalLine Solutions

June 2023 – August 2023

Burlington, ON

- Manually tested functionality, user interface, and calculations to ensure they followed client specifications
- Opened and closed 200+ detailed bug tickets on Azure DevOps with screenshots and steps to reproduce

Software Engineer Intern

North P&D

February 2023 – June 2023

Toronto, ON

- Created 10+ pull requests for the company website, including implementing French translation with react-i18next
- Developed UI components for a client's website frontend using Webflow

PROJECTS

ShadeFindr | Next.js

2024

- Worked in a team of 4 to develop a Next.js navigation website that maximizes shade for those with UV sensitivity
- Won 1st place overall out of 62 submissions at CTRL+HACK+DEL, York University's first hackathon

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C, C++

Frameworks: React, Next.js, Angular, Spring

Developer Tools: Git, Docker, Jenkins, Figma

Other: HTML, CSS, React Native, Tailwind CSS, Astro, AWS, Vercel, Azure DevOps, OpenShift 4, Supabase, OpenAI API, Node.js, PostgreSQL