

Linna Luo

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in Linna Luo

🔗 linnall

🔗 linnall.github.io

SKILLS

Languages: C++, C, Java, Typescript, Python, JavaScript/HTML/CSS

Frameworks/Libraries: React, Node.js, Next.js, SpringBoot

Tools: Git, JUnit, Jest, Docker, Postgres, MongoDB, VMWare, Figma

EXPERIENCE

SOFTWARE ENGINEER INTERN | POINTCLICKCARE

Sept 2021 - Present

- Extended failure mitigation mechanism for syncing patient records using **Java** and **SpringBoot** to increase patient data coverage by 50%
- Designed and implemented error handling with **React** context that improves the workflow of the electronic health record management experience for over one million medical practitioners
- Leveraged **JUnit** and **Jest** to add new and refactor unit, integration, and contract tests to ensure over 95% test coverage

PROJECT DEVELOPER | UW BLUEPRINT 🔗

Sept 2021 - Present

- Working on a cross-functional team to build a scheduling platform for non-profit organization, Community Fridge KW, to streamline communication amongst 100+ admins, volunteers, and donors
- Set up endpoints for REST API and wrote service in **Typescript** to interact with **Postgres** database to schedule daily food drop-off appointments

WEB DEVELOPER | UW COMPUTER SCIENCE CLUB 🔗

Jan - Aug 2021

- Built reusable **React** components for the Computer Science Club website that informs 2000+ students about club news and events
- Implemented the link editor component using **React**, **Typescript** and **Next.js** for a webapp that allows users to compile and share links on one platform

SOFTWARE DEVELOPER INTERN | ELEKTA

Jan - Apr 2021

- Developed test plan for UI testing across multiple browsers of machine QA software using **VMWare** to ensure software is fully functional
- Resolved faulty rounding function with **Java** that reduced inaccuracies in physics tests for linear accelerators by 25%
- Analyzed cyber security vulnerability reports and proposed solution plan adhering to Open Web Application Security Project (OWASP) recommendations that addressed 30+ vulnerabilities

PROJECTS

SUSTAIN-A-TREE 🔗

- Enabling users to track and build sustainable habits with a web app using **React**, **JavaScript**, **MongoDB**, **HTML**, and **CSS** with CRUD functionalities
- Designed icons, buttons and progress bar using **Figma** to incorporate a unified UI

OTTERCART 🔗

UW Energy Hacks

- Awarded Best Hack for building a Chrome extension with **JavaScript**, **HTML** and **CSS** to compute the amount of carbon emissions produced by Amazon orders
- Used Google Maps API to calculate exact distance from closest Amazon warehouse to increase accuracy of carbon emission calculations

EDUCATION

UNIVERSITY OF WATERLOO | BACHELOR OF COMPUTER SCIENCE, CO-OP

Sept 2019 - Apr 2024

- Relevant courses: Object Oriented Software Development (**C++**), Data Structures and Data Management (**C++**)