Linna (Linhui) Luo

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SKILLS

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

Tools: Git, React, Tailwind, Node.js, Figma, Bootstrap, VMWare, Bash, Jira, Express, MongoDB

AWARDS

2019 Diaspora and Transnational Studies Prize University of Waterloo English Department

President's Scholarship of Distinction for 95%+ entrance average

INTERESTS

Sustainability: Green Residence Ambassador, Midnight Sun (solar car design team)

Community in Tech: Tech+ Marketing Coordinator, CS Club Rebranding Team

Dance: UW HipHop Performance Team

EXPERIENCE

WEB DEVELOPER, UW COMPUTER SCIENCE CLUB
JAN 2021 – PRESENT
- Built reusable **React** components for the new Computer Science Club website that informs 2000+ students about club news and events
- Implemented the link editor component using **React**, **Typescript**, **Next.js**, and **Tailwind**, for a webapp (LinkList) that allows users to compile and share links
- Building a staging website to enable efficient testing throughout Computer Science Club website development process using GitLab CI and **Express.js**

SOFTWARE DEVELOPER, ELEKTA
JAN 2021 – APR 2021
- Improved stability of machine QA software (AQUA) using **CSS** and **VMWare** by developing test plans and identifying unstable CSS rules
- Improved accuracy of physics tests by writing tests for a faulty rounding function and implementing a solution in **Java**
- Designed the AQUA 3.0 demo with **Azure** instances to be used in sales and conference presentations for potential clients
- Proposed a solution plan that addressed 30+ cyber security vulnerabilities and adhered to OWASP recommendations by analyzing vulnerabilities report

PROJECTS

SUSTAIN-A-TREE
ONGOING
- Enabling users to track and build sustainable habits by developing a habit tracker web app using **React**, **JavaScript**, **HTML**, and **CSS** with CRUD functionalities
- Designed components using **Figma** such as buttons, habit icons (e.g., water bottles, composting, reusable bags) and progress bars

OTTERCART, UW ENERGY HACKS
JUNE 2019
- Awarded **Best Hack** for building a web application 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

BACHELOR OF COMPUTER SCIENCE CO-OP, UNIVERSITY OF WATERLOO
SEPT 2019 – APRIL 2024
- Relevant courses: Elementary Algorithm Design and Data Abstraction (**C**), Object Oriented Software Development (**C++**), Foundations of Sequential Programs (**C++**)

WEB DEVELOPMENT BOOTCAMP, UDEMY
ONGOING
- Building a Yelp clone web app using **Bootstrap**, **Node.js**, **Express**, **MongoDB** and **jQuery**