Kimberly Tran

Honours Computer Science | E: kim.trann180@gmail.com

EXPERIENCE

Optum   **Richmond, BC**
Software Development Engineer   **Sept 2023 - Present**

• Investigated client-reported issues and implemented improved front-end features for web applications in the healthcare industry using C++, C#,WPF and .NET frameworks involving requirements gathering, design, and development.
• Performed comprehensive **QA testing of 25+ product fixes**, developing extensive knowledge of thorough test documentation, servers, and virtual machines.
• Developed proficiency in PowerShell by writing and improving scripts to ensure high-quality software releases.
• Collaborated in an team environment to **maintain a legacy code base of over 800k lines** using Azure DevOps Server.

University of British Columbia   **Vancouver, BC**
Undergraduate Teaching Assistant   **Jan 2024 - Present**

• Promoted student understanding of the undergraduate software construction course by **mentoring 200+ students** in the development of a Java project and completion of course content during office hours, lectures, and on discussion boards.
• Prepared, facilitated, and graded **10 coding assignments** in weekly lab sessions covering topics including software design, computational models, data structures, debugging, and testing in Java.

GirlSmarts4Tech   **Vancouver, BC**
Curriculum Developer & Workshop Facilitator   **Sept 2023 - Present**

• Led the development of an introduction to programming fundamentals workshop as a part of the University of British Columbia's computer science outreach program for middle school-aged girls and other underrepresented youth.
• **Delivered workshops for 250+ youth** at Vancouver high schools, the SAP downtown office, and on campus.

PERSONAL PROJECTS

Transit System Manager, *Full Stack Database Application*
PHP, Oracle, SQL, HTML, CSS   *Jul 2023 – Aug 2023*

• Implemented a dashboard web-application for users to manage and maintain a metropolitan transit system's data including transit routes, drivers, and riders through **100+ variations of complex SQL queries** of an Oracle database.
• Developed an excellent understanding of SQL, web application development, and strong problem-solving skills.

UBC Course Finder, *Full Stack Web Development Project*
Node.js, REST, JavaScript, HTML, CSS   *Jan 2023 – May 2023*

• Collaborated in a team over a 4-month period to create a website that enables users to upload, parse, and **query over 6000 JSON files** containing historical data of University of British Columbia courses and buildings.
• Applied object-oriented design principles and knowledge of Git version control to develop a back-end, REST server, and a user-friendly interface, verifying project requirements with smoke tests, unit tests, and stress tests.

Pomo's Paradise, *Educational Study Website*
React, JavaScript, Cohere NLP API   *Mar 2023*

• Pitched a web-application targeted towards optimizing students' studying experience to **5+ industry judges.**
• Implemented a natural language processing API to create a machine learning chatbot capable of **summarizing 100,000 characters of text** and developing quiz questions in a fast-paced environment.

EDUCATION

University of British Columbia   **Vancouver, BC**
B.Sc. in Honours Computer Science (co-op), minor in Data Science

• Organizations/Awards: Dean's Honour List, Women in Computer Science, Engineers Without Borders, CUMC 2024.
• Relevant Courses: Intermediate Algorithm Design and Analysis, Relational Databases, Software Engineering.

SKILLS & INTERESTS

Languages/Frameworks: Java, Python, C, C#, C++, SQL, PHP, HTML, CSS, JavaScript, React, R.
Interests: Sustainability, Emerging Technologies, Data Science, Diversity in Engineering, Cooking, Volleyball.