Kevin Li

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EDUCATION

University of British Columbia   **Expected Graduation 2025**
Bachelor of Science – Mathematics
- **Relevant Coursework:** Data Structures, Algorithms, Relational Databases, Software Engineering

TECHNICAL SKILLS

Programming: Java, JavaScript, Python, SQL, C++, C, HTML, JSON, PHP
Tools and Frameworks: React, Express, Node, Git, Slack, MySQL, Junit, Excel, Microsoft PowerApps

WORK/VOLUNTEER EXPERIENCE

Bantrel - Project Controls Intern • Edmonton, AB   **May 2023 - August 2023**
- Co-led the design and digitization of essential company files to a more central, online infrastructure surrounding Microsoft SharePoint
- Completed comprehensive queries in SQL and Excel to streamline employee interaction with company network drive and cloud database, allowing for more seamless configuration for historic and future file storage
- Restructured outdated Firefox and Microsoft Azure databases to a new company DBMS
- Created multiple user-friendly templates using Microsoft Power Apps and Flow Automate for file creation to improve workflow and communication between engineering departments

Western Mechatronics - Business Manager • Calgary, AB   **July 2022 - Ongoing**
- Managed the application of grants and other subsidiaries totalling over $20,000
- Active mentor for students grades 5 to 12 learning robotics, introducing key mechanical principles and fundamental programming processes
- Key volunteer at national robotics events, overseeing tournament progress and providing technical support in all areas

PROJECT EXPERIENCE

Furever Friends - Class Project
- Developed a full-stack database application to help adopters find pets using MySQL, PHP, Express and JavaScript
- Created numerous types of queries to match application demands, including real-time projection, aggregation and division
- Implemented input sanitization by parameterizing MySQL user inputs to prevent injection

Personal Website – Personal Project
- Created an online portfolio website using the React environment
- Designed and implemented a minimalistic design and smooth user experience with HTML and CSS animations
- Wrote website functionality using JavaScript to help navigate the entirety of the site

Volunteer Hours Tracker - Personal Project
- Built an end-to-end card-reader application that helps log volunteer hours for a non-profit organization
- Used the OpenCard Framework in Java to program between backend and hardware, and Apache POI Java API to write into an Excel spreadsheet to organize data

Media Tracker - Class Project
- Developed a Java program to create a simple "watchlist" application
- Implemented a Java Swing interface for user accessibility and used OOP, JSON Reader and Writer to create a local database
- Tested implementation and exception handling using the JUnit library