BOB PHAM

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Computer Science Major, 2nd Year

TECHNICAL SKILLS

Programming Languages:
C*, C++*, C#, HTML + CSS, Java, JavaScript, LaTeX, Python, Racket, SQL, TypeScript

Frameworks, Engines, Libraries and Databases:
MySQL*, Next.js*, Node.js*, Unity, React*, GraphQL*, Three.js*

Development Tools and Environments:
Android Studio, Git + GitHub, IntelliJ IDEA, R, Vim*, Visual Studio Code   * Currently Acquiring

TECHNICAL PROJECTS

Advanced Homework Planner – HTML + CSS, JavaScript   Jan – Feb 2022
Chrome extension that manages user grades and upcoming deadlines
- Implemented a data model that minimizes data reads and maximizes performance by allowing grade recalculations without reading completed user assignments
- Programmed a system that generates a user-specific to-do list that prioritizes assignments based on due-dates and assignment weight
- Graphical user interface designed using HTML and CSS

Hercules – Java, Android, Android Studio   Jan 2022
Android app which incentivizes healthy living by gamifying healthy habits.
- Developed backend systems which managed in-game currency, experience, item-inventory, item-shop, quests, and questline systems using Java
- Architected an algorithm that encourages continuous user progress by rewarding users in-game experience and currency based on consistency in questline completion
- Graphical user interface implemented using built-in Android Studio tools and XML

Simple Device Repair Manager – Java, Java Swing   Sep – Dec 2021
Desktop application that streamlines the computer repair process by keeping track of progress and parts.
- Developed with a test-driven methodology utilizing JUnit

WORK EXPERIENCE

Product Repurposing Solutions – Technical Assistant   Jun – Aug 2021
- Project leader of the computer repair and refurbish process
- Duties included shipping and receiving, inventory management, warehouse organization, and desktop and laptop repair

Pho Mr. Do – Waiter   Sep 2018 – Mar 2020
- Cultivated positive guest relations by creating a friendly welcoming environment with high energy and efficient service
- Communicated with kitchen staff to avoid worker overload and customer dissatisfaction

EDUCATION

University of British Columbia
2nd Year Bachelor of Science, Computer Science Major, expected graduation in May 2025