Jacob Wu

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EDUCATION

University of British Columbia — Vancouver, BC
Bachelor of Science — *Sept. 2022 – Present*
- Studied courses in systematic program design with a cumulative GPA of **4.33/4.33**.

Western Canada High School — Calgary, AB
Alberta Diploma & International Baccalaureate Diploma — *Sept. 2019 – May 2022*
- Lifetime Honours Society Member with a cumulative GPA of **4.00/4.00**.

TECHNICAL SKILLS

Programming: Java, Python, C++, SQL (Postgres), JavaScript, HTML, CSS, R, Dart, C#, TypeScript, Racket
Frameworks: React, Node.js, JUnit, WordPress, jQuery, Bootstrap
Developer Tools: Git, Docker, AWS, Google Cloud Platform, Heroku, VS Code, PyCharm, IntelliJ, Android Studio
Languages: English, Mandarin, Cantonese

EXPERIENCE

Full Stack Software Developer — Sept 2022 – Present
UBC Launch Pad — *Vancouver, BC*
- Collaborated with 6 other team members to develop **14** new front-end features in **Dart**.
- Built and optimized **PostgreSQL** databases and table structures to ensure scalability and security.
- Developed **RESTful APIs** in **TypeScript** for back-end servers using **Node.js**.

VP of Finance — Sept 2019 – Apr 2022
Junior Achievement Canada — *Calgary, AB*
- Founded **3** businesses under the advisement of Junior Achievement Southern Alberta, which sold beeswax wraps, discount cards, and keychains respectively.
- Pitched door-to-door to **200+** local businesses across Calgary to partner with them.
- Pitched and sold products to **2.5k+** customers at trade shows.

Deputy Returning Officer — Sept 2021 - Sept 2021
Elections Canada — *Calgary, AB*
- Counted and recorded ballots for the 2021 Canadian federal election.

PROJECTS

Kansha | *Java, JUnit* — Feb 2023
- Built user-interface and back-end for a gratitude journaling app.
- Designed and implemented unit tests to ensure **100% code coverage**.

ARtifact | *C#, Dart* — Jan 2023
- Led development of an augmented reality photo storage app using **Unity** and **Flutter** at NWHacks.

Borealis Launcher | *Dart* — Dec 2022
- Created a custom user interface and app launcher for Android phones.

Mindful Minutes | *Python* — July 2022
- Built a screen time tracking application for Windows using **Python** and **Tkinter GUI**.
- Implemented app blocking features for when a user exceeds a certain screen time limit.

Zaiko | *JavaScript, HTML, CSS* — Feb 2022
- Collaborated on an inventory tracking web application for PTC hackathon.