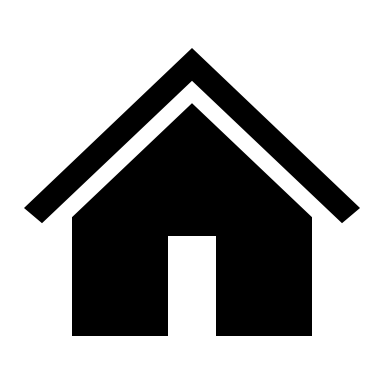
**Hao (Harin) Wu**

**SOFTWARE ENGINEER**

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EDUCATION

**University of British Columbia** | **Computer Science, B.S.**  Sep 2017 – Dec 2022

**VANCOUVER, CANADA**

* Core GPA / Full GPA: **3.8** / **3.7**
* Studied courses in data structures, algorithm designs, systems and machine learning.
* Completed assignments and projects in Java, C/C++, Assembly and TypeScript, achieving high proficiency.

EXPERIENCE

**SAP Canada** | **Software Developer Co-op** Sep 2021 – Present

**VANCOUVER, CANADA**

* Improving CI/CD infrastructure by maintaining existing tests and further automating manual processes.

**Restaurant Brands International** | **Software Engineer Intern** May 2021 – Aug 2021

**TORONTO, CANADA (REMOTE)**

* Shipped push notification feature for delivery updates, to be used by **50 million+ monthly users** across 3 brands.
* Proposed delivery flow improvement with a data-driven approach, processing **7 billion** objects from DynamoDB.
* Developed payment and cart features of a **top 5 charted international** app with TypeScript, Sanity, and GraphQL.

**TELUS Communications** | **Software Developer Co-op** Sep 2019 – Apr 2020

**BURNABY, CANADA**

* Detected early service outages for government and enterprise customers by analyzing pings with SQL queries.
* Automated updates on Tableau reports and email notifications to **save thousands of dollars** in service penalties.
* Prototyped a micro-service webapp, with React, MongoDB and API services hosted on Google Cloud.

**Electronic Arts** | **Development Support** May 2018 – Aug 2019

**BURNABY, CANADA**

* Detected and logged **60+ bugs** from AAA title games (FIFA 19 and FIFA 20) on DevTrack.
* Managed tasks amongst team members on JIRA, Hansoft and Trello, tracked **500+ bugs** and issues.

PROJECTS

**Hungrii Inc.** | **Lead Engineer / Founder** Jan 2019 – Present

* Shipping features on Tastebuds (**2k+ users**), a social dining app, directing a team of nine on weekly sprints.
* Collecting restaurant data with Python scraping, saving **100+ hours** of manual entry and serving data on distributed systems using the FastAPI framework.
* Overhauled hybrid recommendation model through docker-compose and **reduced monthly costs by 70%**.

**UBC Launchpad** | **Technical Team Lead**  Sep 2020 – Present

* Deployed backend on Dockerto create a consistent working environment, reducing setup times by **2+ hours**.
* Designed a MySQL database and Node (TypeScript) backend for an iOS fintech app on a software design team.

**SDHacks 2021** | **Eden (Urban Garden App)** Feb 2021

* Led development of app using Swift, Go, and CockroachDB, **won** California’s biggest hackathon.

**Hack the North 2020++** | **FridgeSpace (Food Bank Donation App)** Jan 2021

* Collaborated on app using Swift, Python, CockroachDB and ResNet (ML Vision), **won** Canada’s biggest hackathon.

**nwHacks 2021** | **Mentor** Jan 2021

* Assisted 30+ hackers in 24 hours on topics like JavaScript, Swift iOS, Kotlin Android, HTML/CSS and GCP/AWS.

**Blinded** | **iOS Game** Dec 2020

* Produced game (**200+ users**) with ffmpeg and pydub to generate spatial audio, and tracked user head motion.

**Amazon DeepRacer** | **Autonomous Object Avoiding Race Car (Reinforcement Learning)** May 2020 – Dec 2020

* Performed **top 10** in North America at 2020 Amazon reInvent finals, top 30 amongst thousands in qualifiers.

**Transformers & LSTM for Time Series Forecasting** | **OHCLV Stock Price Prediction** Apr 2020

* Specialized and tuned a neural network with PyTorch and Jupyter notebooks, achieving minor portfolio gain.