



# Hao (Harin) Wu

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## EXPERIENCE

### Hungrii Inc. | Founder/Lead Developer

01/2019 – Present

- Launching monthly features on **Tastebuds**, a social dining app, collaborating with a team of nine on weekly sprints.
- Scraping thousands of restaurant's data with **Python**, saving **100+ hours** of manual data entry.
- Fully transitioned team stack to cross-platform **React Native**, improving team efficiency **by over 50%**.
- Deployed **Tensorflow** machine learning model, utilizing matrix factorization, random forests and stacking.
- Designed and developed prototypes on **Swift** iOS, **Kotlin** Android and **HTML/CSS/JavaScript** web.

### UBC Launchpad | Software Developer

09/2020 – Present

- Deploying backend on **Docker** to create a consistent working environment, reducing setup times by **2+ hours**.
- Designing and maintaining a **MySQL** database and **NodeJS** backend for an iOS financial management app on a software design team.

### TELUS Communications Inc. | Software Developer Intern

09/2019 – 04/2020

- Assisted with early service outage detection for government and enterprise customers, presenting updates on Tableau reports and automated email notifications to **save thousands of dollars** in service penalties.
- Prototyped a micro-service cloud architecture, with **React.js**, **MongoDB** and **API services** hosted on Google Cloud.
- Transitioned team development workflow from a traditional waterfall into agile, **saving 10+ hours** in weekly project planning and task flow, by clearly organizing backlogs, issues, stories and epics on JIRA.

### ProToGo Technologies Inc. | Mobile DevOps

08/2019 – 12/2019

- Exceeding expectations on weekly sprints with persistent hard work, cutting project time by **30%**.
- Accelerated a construction technology startup by leading **Android and backend development**.

### Electronic Arts Inc. (Keywords Studios) | Development Support

05/2018 – 08/2019

- Discovered 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, tracking **500+ bugs** and issues.

## PROJECTS

### Amazon Web Services DeepRacer

05/2020

- Trained an autonomous car, finishing **top 30** amongst thousands of racers, qualifying for Amazon reInvent 2020.
- Familiarized with the details and implementations of various state of the art algorithms, like **PPO**, **DDPG** and **SAC**.

### Transformers & LSTM Neural Networks for Time Series Forecasting

04/2020

- Deployed a neural network for OHCLV stock price predictions on **PyTorch**, achieving minor portfolio gain.
- Familiarized with **Jupyter** notebooks, hyperparameter tuning, deep learning and reinforcement learning.

### TrustID – 2020 TELUS Hackathon

02/2020

- Created a functional Bluetooth powered access door system using Swift, **Postman** and **Heroku**.

## EDUCATION

### University of British Columbia

09/2017 – 05/2022

- Courses in data structures, algorithm designs, computer systems and machine learning.
- Completed assignments and projects in **Java**, **C/C++**, **Assembly** and **TypeScript**, achieving high proficiency.
- Core GPA / Full GPA: **3.6 / 3.5**

## INTERESTS

- Fluent in English, French and Mandarin. Experience in Spanish and German.
- Team player competing in soccer, golf and ultimate.
- Dedicated to science, technology, innovation and AI, notably in artificial general intelligence.