**Hao (Harin) Wu**

Year 3, Computer Science Student | 778-986-7329 | [harinwu99@gmail.com](mailto:harinwu99@gmail.com) | [www.hungrii.com/harin](http://www.hungrii.com/harin)

Work Experience

**Hungrii Inc.** | **Founder/Lead Developer** 01/2019 – Present

* Founded a startup company independently, producing a creative social networking app for restaurant reviews.
* Executed with attention to detail on **Swift iOS, Kotlin Android** and **HTML/CSS/JavaScript web** in4 months
* Rapidly adapted to feedback, creating a second restaurant management app for owners within a month.
* Fully transitioned in 2 months, from native mobile into **cross-platform React Native** to improve team efficiency.
* Deployed **Tensorflow** machine learning model, utilizing matrix factorization, random forests and stacking.
* Scrapped data using **Python,** for thousands of restaurants, saving hundreds of hours of manual data entry.
* Collaborating with a team of nine, demonstrating strong leadership, project management and decision making.
* Lead UI/UX design with detailed product planning, user research and low-fidelity wireframes on Figma.

**TELUS Communications Inc.** | **Software Developer Co-op** 09/2019 – 04/2020

* Assisted with service outage detection and reporting for government and enterprise customers through SQL queries, presenting updates on Tableau reports and automated email notifications.
* Prototyped a micro-service cloud architecture, with **React.js**, **MongoDB** and **API services** hosted on Google Cloud.
* Promptly addressed issues affecting servers, security and ETL, facilitating communication between multiple parties.
* Transitioning team development workflow from a traditional waterfall into agile, saving hundreds of team hours onwards in project planning and task flow, by clearly organizing backlogs, issues, stories and epics on JIRA.

**ProToGo Technologies Inc.** | **Mobile DevOps**  07/2019 – 12/2019

* Accelerated a construction technology startup by producing a backend design and cross-platform app in 2 months.
* Continued to lead **Android and backend development**, meeting critical weekly sprints with persistent hard work.
* Influencing iOS and business planning, being a technical catalyst with strong written and verbal communication.

**Electronic Arts Inc. (Keywords Studios)** | **Development Support** 05/2018 – 08/2019

* Discovered and logged bugs from AAA title games (**FIFA 19** and **FIFA 20**) on DevTrack.
* Communicated with engineers and producers about discovered issues, regressions and bug inspection requests.
* Managed tasks amongst team members on JIRA, Hansoft and Trello, tracking half a thousand bugs and issues.

Projects

**Amazon Web Services DeepRacer** 05/2020

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

**LSTM Neural Network for Time Series Forecast** 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**, achieving high proficiency.

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.