



Hao (Harin) Wu

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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** in 4 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.