Hao (Harin) Wu

📞778-986-7329 ✉ harinwu99@gmail.com 🏠harinwu.com ○ github.com/Harin329

EXPERIENCE

Hungrii Inc. | **Founder / Lead Software Engineer**   01/2019 – Present
- Launching monthly features on Tastebuds (2k users), a social dining app, working 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.

UBC Launchpad | **Lead Software Developer**   09/2020 – Present
- Deploying backend on Docker to create a consistent working environment, reducing setup times by **2+ hours**.
- Designing a MySQL database and Node (TypeScript) backend for an iOS fintech app on a software design team.

TELUS Communications Inc. | **Software Developer Co-op**   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 workflow into agile, **saving 10+ hours** in weekly planning, by organizing backlogs, issues, and epics on JIRA.

ProToGo Technologies Inc. | **Mobile DevOps**   08/2019 – 12/2019
- Exceeded 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

Hack the North 2020++ | **FridgeSpace**   01/2021
- Finished as a **finalist**, with an app for food donations using SwiftUI, Python, CockroachDB, and ML object identification.

nwHacks 2021 | **Mentor**   01/2021
- Assisted **30+** hackers in 24 hours on various topics like JavaScript, Swift iOS, Kotlin Android, HTML/CSS and GCP/AWS.

Blinded | **iOS Game**   12/2020
- Created using ffmpeg and pydub to generate spatial audio, and an algorithm to track head position.

Amazon DeepRacer | **Autonomous Object Avoiding Race Car (Reinforcement Learning)**   05/2020 – 12/2020
- **Top 10** in North America at 2020 Amazon reInvent finals, **top 30** amongst thousands of racers in qualifiers.

Transformers & LSTM for Time Series Forecasting | **OHCLV Stock Price Prediction**   04/2020
- Created and tuned a neural network with PyTorch and Jupyter notebooks, achieving minor portfolio gain.

TELUS Hackathon 2020 | **TrustID**   02/2020
- Created a functional Bluetooth powered access door system using Swift iOS, Postman and Heroku.

EDUCATION

University of British Columbia | **Computer Science, B.S.**   09/2017 – 04/2022
- Core GPA / Full GPA: **3.6 / 3.5**
- Courses in data structures, algorithm designs, systems and machine learning.
- Completed assignments and projects in Java, C/C++, Assembly and TypeScript, 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.