

# Hui Hua Vera Chuang

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## EDUCATION

University of Washington - B.S. - Informatics, Computer Science, Entrepreneurship

*Excepted: June 2027*

- **Coursework:** Data Structures and Algorithms (Java), Database Systems and Management (SQL, Azure), Design Methods UI/UX (Figma), Linear Algebra & Discrete Math & Probability (Statistics)
- **Leadership:** BuildHER (Founding team - empowering women & non-binary students to break barriers in tech entrepreneurship)

## EXPERIENCE

Software Engineer Intern | [Topo Solutions](#)

June - September 2024

- Streamlined document processing of **next-gen supply chain** & logistics management by implementing **novel algorithms to retrieve relevant data** from audit, invoice, purchase forms, bills of lading, & tax form docs
- **Automated** document processing workflows using **SQL** to reduce manual work of processing & cleaning **3000+** documents, improving business processes and enabling end users to do their job better
- Trained **custom machine learning models** and developed **computer vision OCR**(Object Character Recognition) capabilities using **.NET C# & Azure AI Document Intelligence Models** to enhance supply chain workflow efficiency
- Collaborated closely with **stakeholders & large clients in a fast-paced environment**, while engaging in rapid proof of concept development, customer research, & scoping requirements

Tech Lead + Full-Stack Software Engineer | [Husky Coding Project](#)

October 2023 - Present

- Leading a team of 7 Software Engineers, Designers, & Product Managers in building a Lost & Found app for University of Washington Students, potentially impacting 30,000+ students on campus
- Defined key features & **scoped out requirements** for the application while **supporting team members** to deliver **high quality, robust, and scalable code** in a timely manner by reviewing code, analyzing risks, & providing feedback
- Developing Lost & Found **Full Stack** application using **React JS & Firebase** that enables students to share and retrieve lost items across campus
- Managing & organizing administrative workflows by developing a Discord Bot, Membership Validation, & Ticketing System

Co-Founder + Executive Director | [SimplyShare](#)

August 2020 - Present

- Co-Founded SimplyShare, a student-led platform, connecting youth to skill-based volunteer opportunities for impoverished children to **tackle generational poverty in Hong Kong**
- Led a team of **30+** high school students to **host 25+ long-term skill-based workshops** covering arts, sports and technology, **served over 450 children** living HK's poorest districts
- Collaborated with 8 NGOs locally and internationally (Salvation Army, SoCO, Po Leung Kuk, and more) & **fundraised \$2k+** & featured on StartmeupHK, World Economic Forum, United 2030, Radio Television Hong Kong, South China Morning Post

## TECHNICAL PROJECTS

Bundled App by SimplyShare

- Built a resource donation platform and courier medium connecting donors to grassroots families to bridge digital gaps
- Architected and developed in Dart, leveraged Flutter for UI/UX, Firebase for backend
- Connected 20 families across 7 local NGOs to second-hand daily necessities

Spotty (Offline-First Location Mobile App) - Dubhacks 2024, T-Mobile: 5G Challenge Track Finalist

- Constructed app using **JavaScript** and **WebSocket** to **facilitate offline functionalities for backpackers in low connectivity areas**, featuring interactive maps, SOS alerts, SMS messaging and more
- Utilized **T-Mobile's 5G network APIs** with **Nokia's exclusive Network-As-Code** development platform to enhance location verification and proximity-based notifications

Snowball (Mental Health Therapy App) - Dubhacks 2023

- Developed and maintained web applications using **HTML, CSS, JavaScript, JQuery and ReactJS** to **automate and digitalize therapy and mental health tracking**
- Collaborated on a functional prototype that includes a chatbot, journal, and mood tracker

## SKILLS & TECHNOLOGIES

Java, C++, .NET framework, Python, Dart, C#, SQL, SQLite, Tableau, R, HTML, CSS, JavaScript, React, React Native, CI/CD, Jira, Confluence, Agile, OOP, Git, AWS, Azure AI, REST APIs