

Emily Wang

Systems Design Engineering

Work Experience

Transparent Kitchen | Product Manager

Jan 2021 - Present

- Oversaw launch and on-boarding of new 3D reservation systems across 10 restaurants
- Defined the **strategy, roadmap, and execution plan** for the "experiences" reservation feature enabling restaurants to **increase profit margins by 30%**
- Led shift to data driven culture by defining **success metrics** and **setting up analytics**

Transparent Kitchen | Full-Stack Developer

May 2020 - Aug 2020

- Built out menu and mobile ordering application from the ground up, enabling restaurants to operate safely and reduce wait times by **15 min/customer**
- Built RESTful APIs using **NestJS** and **TypeScript** along with web app using **Vue.js** to process diners orders for **80+ restaurants** since launch <1 year ago

TD Lab | Software Developer

Sep 2019 - Dec 2019

- Developed and launched a student budget calculator web app using **Vue.js** to enhance student's financial literacy with **200 users in the first month**
- Prototyped credit card insights app using **Flutter** leading to buy-in for new financial insight feature on the TD mobile app

Pivotal (VMware) | IT Engineer

Jan 2019 - Apr 2019

- Led team in raising **\$22,000** for charity through IT equipment auction
- Reduced equipment set-up time by 50% by creating OS images for **200 computers** with bash scripts and tools to automate identified pain points in team's workflow

Leadership Experience

Hack the North | Co-Director

Feb 2019 - Present

- Led a team of **40** students to organize one of the **world's biggest hackathon**
- Overhauled event into a virtual format while **doubling** attendees to **3300** students
- Established the first 4 day pre-event providing learning opportunities for **5000+** additional students beyond hackathon attendees
- Coordinated engineering and design teams to launch website with **66,500** visitors

Hyperloop Design Team | Sponsorship Lead

Sept 2018 - Jan 2019

- Concluded **\$43,000** Kickstarter campaign by fulfilling rewards for 500 backers
- Secured **\$2000** in funding through pitches to funding boards

Projects

Paper Crane Cards | Side Business

May 2020 - Present

- Running online business selling hand drawn cards on Etsy and Instagram

DriverSyde | Hack Western Finalist

Nov 2019

- Developed an Android app in **Java** that provides drivers with real-time instructions and feedback using computer vision to increase safety while new drivers are on the road

Contact

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Education

University of Waterloo
Systems Design Engineering
2018 - 2023 | 3.9 GPA

Relevant courses:

Data Structures and Algorithms,
Databases and Software Design,
Human Factors in Design

Skills

Languages

JavaScript, TypeScript, C++,
Python, Java, SQL, HTML/CSS

Technologies

Vue.js, React, Node.js, Flutter, Git

Tools

Jira, Confluence, Tableau,
Mixpanel, Gitlab, Figma, Sketch

Awards

Ontario P. Engineers | 2020
Undergraduate Scholarship

University of Waterloo | 2018
President's Scholarship of
Distinction

The Governor General's | 2018
Academic Medal

John Fraser S.S. | 2018
Principal's Award for Leadership

HackUofT | 2019
Best Use of IBM's Watson