

Emily Wang

Systems Design Engineering

Experience

Hack the North | Co-Director

Feb 2019 - Present

- Led a team of **40** students to organize the **world's biggest collegiate hackathon**
- Defined the **vision** and **strategy** for the first virtual event while doubling attendees to **3400**
- Delivered the first public pre-event providing 40 workshops and talks with **8K+ views**
- Established and launched a brand and marketing strategy to attract **5500** applicants
- Managed engineering and design teams across **5 projects** with **38K** monthly visitors

Transparent Kitchen | Product Manager

Jan 2021 - Apr 2021

- Oversaw launch and on-boarding of new 3D reservation product across **10 restaurants**
- Advocated and led shift to data-driven culture by defining KPIs and **setting up analytics**
- Conducted **20 external user interviews** to gather feedback and develop product roadmap
- Defined requirements for a new feature, enabling restaurants to **increase profits by 30%**

Transparent Kitchen | Full-Stack Developer

May 2020 - Aug 2020

- Developed restaurant ordering application and APIs for **80+ restaurants** from ground up
- Collaborated with design team to engineer customizable menu interfaces using Vue.js

TD Lab | Software Developer

Sep 2019 - Dec 2019

- Collaborated with designers and bizops to design and build student budget calculator
- Shipped product with **200+ users** in the first month and iterated through user feedback
- **Gained buy-in** from company leadership to build production version for td.com

Pivotal (VMware) | IT Engineer

Jan 2019 - Apr 2019

- Identified pain points in onboarding workflow and deployed OS images with custom bash scripts to **reduce equipment set-up time by 50% for 200+ machines**
- Led team in raising **\$22,000** for charity through organizing IT equipment auction

Hyperloop Design Team | Sponsorship Lead

Sep 2018 - Jan 2019

- Executed **\$43,000** Kickstarter campaign to fund the building of Hyperloop pod for the SpaceX competition by fulfilling rewards for **500 backers**

Projects

Music Trends Visualizer | Side Project [🔗](#)

Mar 2021 - Present

- Visualized trends of musical elements of top songs in Tableau with data from Spotify's API

Paper Crane Cards | Side Business [🔗](#)

May - Aug 2020

- Started online store selling hand drawn cards generating \$350 in revenue with portion of proceeds going to charity

DriverSyde | Hack Western Finalist [🔗](#)

Nov 2019

- Designed and built an Android app that provides drivers with real-time instructions and feedback using computer vision to increase safety for new drivers

Contact

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Education

University of Waterloo

Systems Design Engineering

2018 - 2023 | 3.9 GPA

Relevant courses

Algorithms, Databases,
Engineering Design,
Human Factors in Design

Skills

Tools

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

Languages

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

Technologies

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

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