

Hannah Wang

Computer Science & Business Double Degree Student

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SKILLS

Languages: Python, Go, JavaScript, TypeScript, OCaml, HTML, CSS, C, C++, SQL

Tools and Frameworks: Django, NodeJS, React, React Native, Redux, MongoDB, PostgreSQL, Google Cloud Platform

WORK EXPERIENCE

Jane Street | Software Engineer | Sep 2020 – Dec 2020

- Designed and built a dependencies graph UI and data visualisation tool for a large-scale distributed computation system in **OCaml**, used by engineers and traders for training, development, and debugging
- Developed an automated workflow that enables repurchase agreements to be recorded in **Excel** and materialised in a **PostgreSQL** database using **OCaml** and **Kafka**, improving the scalability and effectiveness of financing operations

Postmates | Software Engineer | Jan 2020 – Apr 2020

- Engineered a new “in-seat delivery” flow using **Go**, **Python/Django**, and **Google Cloud Platform** to enable Postmates to be used at stadium events; built admin configuration UI in **React** for easy scalability to various venues
- Built functionality to support promotions based on payment method to enable a **\$600K-value** Apple Pay promotion
- Developed features, built experiments, and fixed bugs in **Go** and **Python/Django** in areas such as feed and SMS messaging to enhance customer experience and drive conversion, including a **24% increase** in membership signups

Consensys | Full Stack Developer | Jan 2019 – Apr 2019

- Built and optimized NodeJS/Express RESTful API endpoints and queries to **MongoDB** and **Neo4j** databases, resulting in a **25% reduction** in initial load time
- Developed frontend features in **React** and **Redux** for the core product used by thousands of clients
- Implemented integral new customization functionality end-to-end, involving overall technical design, database architecture, and full stack development

Hubdoc | Software Developer | May 2018 – Aug 2018

- Built, maintained, and debugged 700+ microservices to automatically fetch financial documents using **NodeJS**; increased overall success rate to 2-year high
- Refactored 4000+ lines of code to improve efficiency and maintainability
- Implemented new features on company intranet to enhance data visualization using **Backbone.js** and **PostgreSQL**

PROJECTS

ClassWatch | React, TypeScript, NodeJS, Express, MongoDB | 2019

- Web app for UW students to view classes and receive notifications when spots are available in “watched” sections
- Obtained 1200+ users and overwhelmingly positive feedback

CharityChain | React, Ethereum, Solidity, Firebase | Hack the North 2019

- Records charity spendings on Ethereum blockchain through Solidity smart contracts to improve transparency
- Web interface for users to view charity spending data, easily donate to charities, and track their donations

EDUCATION

University of Waterloo | 2017 – 2022

Bachelor of Computer Science | cGPA: 90%

Wilfrid Laurier University | 2017 – 2022

Bachelor of Business Administration, Finance

AWARDS

- PennApps Best AR/VR Project | 2019
- Hack the North Finalist | 2018
- Hack the 6ix Finalist | 2018
- Dean's Honour's List | 2018 – 2020
- President's Scholarship of Distinction | 2017