

Hailey Wang

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WORK EXPERIENCE

Software Engineer

Aug - Dec 2020

Facebook (Remote)

C++, Java, ReactVR

- Developed the first Oculus VR video editor interface offering a media editing alternative to over 1M users.
- Implemented a media editor API communicating across 3 tech stacks.

Software Engineer

Feb - May 2020

Google (Remote)

C++

- Designed, delivered and tested a new feature responsible for background tab loading of Chromium browser used by over 300M users.
- Implemented multi-threaded functionality in order to allow concurrent execution of processes resulting in better code efficiency.

Full-Stack Developer

May - Aug 2019

John Hancock (San Francisco)

Ruby, ReactJS

- Utilized Test-Driven Development with RSpec (95%+ test coverage) to create RESTful API endpoints in Rails service for web and IOS clients.
- Improved class modularity and extensibility to A-grade(Code Climate) by restructuring its design pattern strategy to use STI.
- Contributed to agile processes such as scrums, sprint plannings, and leading various sprint retro meetings.

Tools Developer

Aug - Dec 2018

Nuance (Montreal)

Python, Webix, VueJS

- Implemented various RESTful API endpoints using Python/Flask to process data directly from a MySQL database.
- Improved test report rendering performance speed by 8% through optimization of the database schema and addition of indexes.

Software Developer

Jan - Apr 2018

Pratt & Whitney (Montreal, QC)

C/C++, Visual Studio

- Improved testing accuracy with the development of a data analysis tool that analyzed over 10k data points.

Front-End Developer

May - Aug 2016

OICR (Toronto, ON)

Jekyll, MySQL, PHP, ReactJs

- Led the migration from Drupal to Jekyll of over 25 websites.

PROJECTS

SHEalth

Node.js, MongoDB, Heroku

A healthcare application accessible by phone call, SMS and web

- Set up the Twilio's API on a Node.js platform and a MongoDB database.
- Implemented features such as Text to Speech and messaging bot.

SKILLS

Languages

C/C++, JavaScript, Python, Ruby, Java, Bash

Web Dev

Node, React, Vue, Webix, Meteor, Angular, TypeScript, Flask, SASS, Jekyll

Tools

Docker, Heroku, Linux, Visual Studio, Jira, Vagrant, CircleCI, Git

Communication

English
French
Chinese Mandarin

ACHIEVEMENTS

Impact Prize

BreakInequality Hackathon

Best CEGEP Hack

Robohack Hackathon

EDUCATION

2016 – present

Bachelor of Software Engineering

University of Waterloo,
Expected graduation in 2021

Courses

Data Structures, Algorithms, Concurrent Programming, Database, DP, OS, AI

INTERESTS

Board Games, Piano, Badminton, E-sports