

Hailey Wang

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WORK EXPERIENCE

Software Developer

Feb - May 2020

Google (Remote)

C++

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

Full-Stack Developer

May - Aug 2019

Twine - John Hancock (San Francisco, CA)

Ruby (Rails, RSpec), 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 Single Table Inheritance.
- Implemented user-facing features following MVC methodologies.
- Contributed to agile processes such as scrums, sprint plannings, and leading various sprint meetings.

Tools Developer

Aug - Dec 2018

Nuance (Montreal, QC)

Python, Webix, VueJS

- Migrated and bundled existing Python script into MeteorJs and Webix.
- 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.
- Optimized code logic to improve application runtime by ~12%.

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, Twillio API

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 a message bot.

OneTreePlanted

Ruby on Rails, Facebook API

A web application designed and developed in 36hours

- Provided a user authentication system and integrated the Facebook API.

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 Programing, Database, DP, OS, AI

INTERESTS

Board Games, Piano, Badminton, E-sports