

BILL WANG

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 <https://billwang80.github.io/>

 @bilwang

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LANGUAGES

- Javascript
- Python
- Java
- PHP
- HTML/CSS
- C/C++
- SQL
- MATLAB

TECH/TOOLS

- React/Redux
- VueJS
- Django
- ExpressJS
- Node
- AWS
- Google Cloud
- Splunk
- Jenkins
- Docker
- TensorFlow
- Bash

EDUCATION

University of Waterloo

- Candidate of BAsC.
Mechatronics Engineering
- Graduating 2023

WORK EXPERIENCE

Data Software Engineer

Trend Micro | Sept 2021 - Dec 2021

- Developed services for collecting data to track the progress of company projects and customer growth, using [Python](#) and [AWS](#)
- Built visualizations by computing customer-centric metrics to ensure software reliability with [Splunk](#), [Serverless](#), and [AWS](#)
- Implemented [Python](#) batching algorithm which increased big data stream speed by over 18 times

Fullstack Developer, Mobile Developer

XE.com | Jan 2021 - Apr 2021, Jan 2019 - Apr 2019

- Developed money transfer web app to serve 100,000+ users with [VueJS](#), [Javascript](#), and [Figma](#)
- Created algorithms to store and synchronize customer data between mobile and web apps using [Java DSAs](#) and [APIs](#)
- Implemented services from [AWS](#) to improve content delivery performance and site security

Computer Vision Engineer

Qontori | Jun 2020 - Sep 2020

- Spearheaded development of mobile app and backend to allow users to create/save computer vision predictions with [React Native](#), [Expo](#), [PostgreSQL](#), [Node](#), and [ExpressJS](#)
- Deployed computer vision models to identify student drawn diagrams using [Google Cloud Platform](#), [Docker](#), and [DigitalOcean](#)

Machine Learning Engineer

Syngli | Sep 2019 - Dec 2019

- Created difficulty estimation algorithms on the e-learning app with [SQL](#), [PHP](#), and [Python](#), improving performance by over 1500 times
- Introduced user engagement predictions to adjust course difficulty to skill level and improve learning with [TensorFlow](#)
- Prototyped course feedback system to enable course improvements and ratings

PROJECTS

Valineups

- App and API to help users execute strategies in Valorant, built using [Django](#), [React](#) + [Redux](#), and [SQLite](#)

Feed Me

- Web app to help users find restaurants or recipes by cuisine style and ingredients, made with [VueJS](#) and [ExpressJS](#)

Peakview

- Blogging app where users create accounts, make posts, and have discussions, built with [Django](#) and [Postgres](#)