

# BILL WANG

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💻 <https://billwang80.github.io/>

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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 BAsSc.  
Mechatronics Engineering
- Expected Graduation:
  - April 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

### Peach Speech

- Researched and developed a machine learning model to give public speaking feedback by analyzing speech waveforms and word choice, made with [Tensorflow](#), [React](#), and [ExpressJS](#)

### Valineups

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

### Peakview

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