Bill Wang

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Work Experience

FULLSTACK DEVELOPER   **XE.COM**   **JAN 2021 - APR 2021**

- Developed money transfer web app to serve over 100,000 users with VueJS and Javascript, utilizing CI/CD
- Researched and implemented AWS CloudFront, improving content delivery performance and site security
- Reviewed and provided feedback for coworkers merge requests to ensure production quality code

SOFTWARE ENGINEER   **QONTORI**   **JUN 2020 - SEP 2020**

- Designed database schema, built API and user authentication using Postgres, Node, ExpressJS and JWT
- Built mobile app allowing users to take pictures, make computer vision predictions, save images and predictions to database with Expo and React Native
- Deployed computer vision models with REST endpoints using Google Cloud, Docker, and DigitalOcean to identify student drawn diagrams

SOFTWARE DEVELOPER   **SYNGLI**   **SEP 2019 - DEC 2019**

- Created new difficulty estimation algorithms on the e-learning web app using SQL, PHP and Python, improving performance by over 1500 times
- Introduced user engagement predictions by building models with TensorFlow to adjust question difficulty to user skill level and optimize learning efficiency
- Prototyped course feedback system with Node, SQL, and PHP, enabling course improvements and ratings

MOBILE ENGINEER   **XE.COM**   **JAN 2019 - APR 2019**

- Built currency Rate Alerts using Android MVVM and REST APIs to store and track user-made currency targets for mobile app with over 70 million downloads
- Devised information architecture using Java and Kotlin to get/post custom rates, preserving data integrity between mobile and web apps
- Developed automatic updates for Wear OS app to synchronize version of wearable and mobile apps

Projects

VALINEUPS
- App and API to help users perform lineups in Valorant, built using Django Rest Framework and React

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

FEATHERING
- Flappy Bird clone built by researching and developing game architecture with custom artwork using Unity + C#

Skills

- **Languages:** Python, JavaScript, Java, Kotlin, C#, C, C++, SQL, PHP, HTML/CSS, Ruby
- **Frameworks/Tools:** AWS, Google Cloud, Django, Node, Express, VueJS, React, React Native, JQuery, Docker, Jira

Education

Candidate for B.A.Sc, Mechatronics   **University of Waterloo, 2018 - 2023**