

BILL WANG

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billwang80.github.io
github.com/billwang80

EXPERIENCE

Syngli Inc • Fullstack Developer Intern

Sept 2019 - Dec 2019

Developed features, interface and bug fixes for an online learning web app using PHP, Javascript and MySQL

Applied Keras deep learning API to predict learner engagement and adjust course and question difficulty based on user performance data

Designed new question creation and difficulty estimation solutions to improve runtime by over 1500 times for large datasets

XE.com • Android Developer

Jan 2019 - Apr 2019

Built experience and backend components of currency app including Rate Alerts, Wear OS update system and Rest APIs

Worked in an Agile environment, evaluating functionality and interface design to maintain cross platform integration

PROJECTS

PokeMatch

Nov 2019 - Present

Designed a Pokemon battling web app, storing data from PokeAPI in custom PostgreSQL schema

Shop With Me

Hack the North 2019

Built a web app to help users find shopping buddies based on transaction history, applying simulated data from TD Da Vinci API

E-Wall

Sept 2018 - Dec 2018

Spearheaded development of a robot to locate, collect and sort waste, assigning deliverables to meet deadlines

Wrote complex algorithms, integrated with physical design and sensors to accurately locate, retrieve and sort litter

SKILLS

Languages

Python
Java
C/C++
Javascript
HTML/CSS
SQL/NoSQL
Ruby
PHP

Tools/Frameworks

MySQL
PostgreSQL
Mongo
Django
Apache
Agile
Jira
React
jQuery
NodeJs
Restful
Git
Apache
Tensorflow

EDUCATION

University of Waterloo

2018 - 2023

Candidate for B.ASc in
Mechatronics Engineering

Relevant Coursework

Algorithms and Data Structures
Digital Computation
Engineering Graphics and Design
Linear Algebra

INTERESTS

Playing guitar,
Applying math,
Learning new stuff