PHILBERT LOU

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TECHNICAL SKILLS

CODING LANGUAGES

Python
Java
HTML
CSS
Javascript
C
C#

FRAMEWORKS AND TECHNOLOGIES

MongoDB
Express.js
React
Node.js
SQLite
Django
TensorFlow
Selenium
Bootstrap
Microsoft Azure Face API
Google Cloud Storage
Unity Game Engine

EDUCATION

BACHELOR OF SOFTWARE ENGINEERING - 3.93 GPA
University of Waterloo, Waterloo, ON | 2020 - present

PROJECTS

CLOTHING FORECAST - 2020
Web application that recommends outfits based on weather
- Engineered a neural network using TensorFlow libraries that predicts what a user should wear given a weather condition and temperature
- Taught the network to learn from past choices, adapt to user preferences, and supply personalized clothing combinations
- Developed backend using Django framework, coded in Python, and constructed a responsive frontend website using HTML, CSS, Javascript, and Bootstrap

HEALTHAPP API - 2020
Backend that tracks water, sugar, and sodium intake
- Created a secure, health-centric web server that allows users to input their water, sugar, and sodium intake and view their current and past activities using Node.js and Express.js
- Implemented security using Passport and BCrpyt to authenticate users and to encrypt passwords stored in the database
- Optimized efficiency by saving user information in an easily trackable and retrievable way using MongoDB

CRYPTOPI - 2020
Software and hardware project centred around sending Etheruem
- Designed a web and mobile application that allows users to send secure Ethereum transactions via NFC tags and readers
- Developed the backend using Javascript and communicated with the backend from a Raspberry Pi in Python

DODGE - 2019
Interactive mobile game published on the Google Play Store
- Programmed an arcade game where users drag their player to avoid moving knives that spawn progressively faster
- Developed using Unity Game engine and coded in C#
- Maintained a five-star rating since release

WORK EXPERIENCE

TEACHING ASSISTANT - APRIL 2018 - MARCH 2019
Kumon, Oakville, ON
- Progressively taught students harder math and English material one on one, leading to significant grade improvement
- Trained other employees how to tutor students through live demonstrations and supervised them while they taught