Philbert **Lou**

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 github.com/PhilbertLou　　in linkedin.com/in/philbertlou

EDUCATION

BACHELOR OF SOFTWARE ENGINEERING

University of Waterloo, Waterloo, ON 2020 - 2025

- 3.9 GPA | 91% Cumulative Average

SKILLS

Languages: Python / Java / HTML / CSS / Javascript / C / C#

Technologies: Git / Bootstrap / MongoDB / Express.js / React.js / Node.js / Django / TensorFlow / Selenium / SQLite / Unity Game Engine

PROJECTS

CLOTHING FORECAST　　　　　　　　　　　　github.com/PhilbertLou/ClothingForecast

- 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 provide personalized clothing combinations by continuously training the network
- Developed backend using **Django** framework, coded in **Python**, and constructed a responsive frontend website using **HTML**, **CSS**, **Javascript**, and **Bootstrap**

ESSENTIAL　　　　　　　　　　　　　　　　　github.com/PhilbertLou/Essential

- Created a secure, health-centric web server using **Node.js** and **Express.js** for users to continuously track their water and sugar intake, set goals and restrictions, and build healthy habits
- Implemented **Passport.js** and **bcrypt** to authenticate users and to encrypt passwords stored in **MongoDB**
- Constructed a responsive and easy to use frontend using **Bootstrap** and dynamically rendered web components using **React.js**, providing users with their latest data at all times

DODGE　　　　　　　　　　　　　　　　　　　　　　　　　　　　　bit.ly/38p3Ygc

- Published a mobile game on the Google Play Store where users drag their player to avoid moving knives that spawn progressively faster
- Developed the application using **Unity Game Engine**, coded in **C#**, and designed custom assets
- Maintained a five-star rating since release

WORK EXPERIENCE

TEACHING ASSISTANT

Kumon, Oakville, ON - April 2018 - March 2019

- Taught students progressively 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