Libang Liang

Graduate Student

l38liang@uwaterloo.ca
4379722165
ON, Canada
llbllbllbllb.github.io
linkedin.com/in/libang-liang
github.com/llbllbllbllb

EDUCATION

MEng in Electrical & Computer Engineering

University of Waterloo

09/2019 – Present *Current GPA: 91*

Courses

- Database Systems
- Quality Assurance and Maintenance
- Pattern Recognition
- Data and Knowledge Modeling and Analysis

BEng in Electrical & Electronic Engineering

Imperial College London

10/2016 – 06/2019 *First Class Honors*

Courses

- Computer Architecture
- Machine Learning
- Algorithms and Data Structure

SKILLS

C++ | Python | Java | MATLAB | React | Linux/UNIX | Git | MySQL | Android Studio | TensorFlow | HTML/CSS/JavaScript | jQuery

WORK EXPERIENCE

IT Product Manager (Internship)

Procter & Gamble

07/2018 – 09/2018 *China Headquarter*

Achievements/Tasks

- Reviewed research papers on face recognition including concepts such as PCA, LDA, LBP and gave technical advice on vendor selection
- Arranged meetings and closely collaborated with famous face recognition vendors including Sensetime, Face++ and Cloudwalk, closely communicated with technicians on technical prior and user experience

PERSONAL PROJECTS

Book Keeper Web Application (05/2020 – Present)

- Design and built a multi-user responsive web application for keeping records of purchase and reimburse within an organization
- Designed and implemented user interface using React/JavaScript
- Participated in back-end server implementation using Flask and database design using MySQL

Grocery Delivery Platform Android App (01/2020 – 04/2020)

- Built an online grocery order and delivery platform based on client-server architecture
- Designed and implemented NoSQL database schema using Google Firebase Database
- Designed app flow map and implemented corresponding activities and fragments using Java and Android Studio

Social Network APIs with Yelp Dataset (01/2020 – 04/2020)

- Designed entity-relationship schema and implemented by creating relational database
- Populated and cleaned Yelp Dataset using Python scripts
- Developed 15 APIs using Java and Spring Boot, which include refresh new post, repost, new post etc.

Traffic Management System (09/2019 – 12/2019)

- Implemented Python and C++ code to parse users command and effectively store user's data
- Applied SAT Solver to solve the Vertex Cover problem and implemented multi-thread to run different algorithms for time complexity and accuracy comparison
- Implemented multi-process using inter-process communication to connect Python and C++ program

Sign Language Translating Gloves (10/2017 – 06/2018)

- Collaboratively built mechanism which transform hand gesture input to voice output, which allowed efficient and fast communication between sign language user and individuals who don't understand sign language
- Produced efficient and well-structured C and Python code, used TensorFlow to map gesture to voice