SKYLAR LIANG UBC Computer Engineering

Phone: +1 (604) 652 7585, +86 13205292018 Email: skylar.liang233@gmail.com
LinkedIn: https://www.linkedin.com/in/skylar-liang/
Website: skliang.dev Github: https://github.com/SkylarLJY

Skills & Professional Development

Technical Skills

- Python, C++, C, Java
- TensorFlow, Keras, OpenCV, PIL
- Flask, Django, Node.js
- Git, GitHub
- Android Studio, NDK
- Linux, Windows
- Arduino, Raspberry Pi
- MongoDB, MySQL, Firebase
- AWS (EC2, RDS), GCP
- Agile/Scrum
- Microsoft office(Excel, PowerPoint, Word)

Courses/Training Highlights

- CPSC 322: Introduction to Artificial Intelligence
- CPEN 321: Software Engineering
- Udemy: Deep Learning Computer Vision CNN, OpenCV, YOLO & GANs
- ELEC 331: Computer Networking
- CPSC 304: Relational Database

Experience

AI IoT Solution Technical Intern – NXP Semiconductor, Shanghai, China Oct 2019 – May 2020

- Working in the AI IoT Solution team with a focus on computer vision and embedded system
- Using python, C and C++ under a Linux environment
- Trained deep learning networks (CNN) for classification in python
- Helped to develop an Android app with Java
- Collected and processed model training and testing data
- Helped to translate Chinese documentations into English at a professional level
- Can communicate with supervisor and coworkers in English at a professional level

Teaching Assistant – the University of British Columbia, Vancouver, BC Jan– Sept 2019

- Teaching assistant for *Basics of Computer System* and *Introduction to Computation in Engineering Design*
- Assisted the in-class teaching and marking of more than 300 students
- Held weekly office hours and lab sessions

Computer Science Tutor – K&D Education Institute, Vancouver, BC Jan 2018 – Jan 2019

- Tutored university level courses in C and Java

Volunteer Engineer – WindAid Institute, Trujillo, Peru July - Aug 2018

- Collaborated with volunteers from all over the world built and installed two wind turbines for a Peruvian village.

Education

The University of British Columbia – Vancouver, BC
Undergraduate in Computer engineering, expected graduation May 2021

- Dean's Honor List (2018)
- Scholarships: Faculty of Applied Science International Student Scholarship (2018)
- Trek Scholarship (2017)

Projects

Hyperface Gender Classifier – a deep learning approach to recognize people's gender with CNN Oct 2019

- Python, TensorFlow, Keras, OpenCV, CNN
- Based on the Hyperface model proposed by Ranjan, Patel and Challappa(2016)

Personal Websites – built and maintaining personal websites for myself and friends April 2019

- HTML, CSS, JavaScript, web design

Memory Frame - an electronic photo frame with voice control and an Android app Mar 2019

- Android, Firebase, Alexa, Raspberry Pi, Python
- Developed backend for communication between firebase and user ends (Java and Python)

Store Way-finder - help specialty store customers to locate themselves and find items Jan – Feb 2019

- Raspberry Pi, Python, AWS, MySQL
- Back-end developer on database and Bluetooth communication using python

- Managed cloud database on AWS