Skylar Liang UBC Computer Engineering

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Work Experience

OS Framework Testing Engineer

Vivo Telecommunications, Shenzhen, China Jan – June 2021

- Developed and maintained Android testing tools in Java
- Worked with Android source code
- Researched and wrote reports on issues encountered in test execution
- Wrote development documentations at professional level

AI IoT Solution Intern

NXP Semiconductor, Shanghai, China Oct 2019 – July 2020

- Worked in the AI IoT Solution team with a focus on computer vision and embedded system
- Used python, C and C++ under a Linux environment
- Trained deep learning networks (CNN) in python
- Maintained an Android app with Java and C, C++ (NDK)
- Collected and processed model training and testing data
- Translated Chinese documentations into English at a professional level
- Communicated with supervisor and coworkers in English at a professional level

Skills

Language

C++, Java, Python, JavaScript, Solidity, HTML, CSS

Technology

Node.js, React, smart contract, Bootstrap, relational & non-relational database, AWS, Git, Linux

Education

The University of British Columbia – Vancouver, BC

Undergraduate in Computer engineering, expected graduation May 2022

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

Projects

SPOT — AWS Serverless Price Optimization Tool Sept 2021 - now

The University of British Columbia, CIRRUS Lab

• Machine learning-based solution to serverless function cost and performance optimization
• Designed and developed tools to interact with AWS Lambda in Python
• Cooperates in a team of five and works closely with the client

Chatroom Web App – a modern web chatroom Sept - Nov 2020

- Node.js, HTML, CSS, MongoDB
- With support for cookies, user session; prevention for cross-site scripting and cross-site request forgery

Hyperface Gender Classifier –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)