

Fei Kuan

Vancouver, BC, Canada

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TECHNICAL SKILLS TECHNICAL PROJECTS

Most Experienced

- C, Java, JavaScript
- Android Studio
- Ubuntu Linux Server

Some Experiences

- C++, Python, Kotlin
- HTML/CSS
- Assembly
- Git
- PyTorch
- Apache, Nextcloud
- VMware ESXi
- pfSense, BIND
- OpenRADIUS

Music Instrument Identifier, UBC

January 2021 – April 2021

- Developed front and back-end of a machine learning web app in a project course as a team, using Python PyTorch and Flask, identifying music samples for 11 instruments with over 72% accuracy.

Android Apps, Personal Project

July 2018 – Present

- Developed two Android apps with 5,000 combined downloads on Android Studio using Java and Kotlin to help users keep Snapchat streaks, and convert between Simplified and Traditional Chinese.
- Continued issuing updates with new features and bugfixes. First release was published a few months after project commencement.
- Project pages: [Streak Alarm](#), [Chinese Converter](#)

Home Server, Personal Project

January 2018 – Present

- Designed and built a home server to provide services such as cloud storage, VPN, and web hosting, with self-taught knowledge on server software including ESXi, Apache, Nextcloud, and StrongSwan.
- Continued maintaining the server with new service additions and software updates. For example, live TV streaming was added in summer 2021. Server has been up six months after project commencement.

EDUCATION

University of British Columbia

Expected May 2024

Bachelor of Applied Science – Computer Engineering

Co-op: Available for 16 months beginning May 2022

CGPA: 4.0/4.33 (86.6%)

Related Courses:

Computer Engineering Design Studio I: 98%

Software Construction II: 91%

Basic Algorithms and Data Structures: 91%

TECHNICAL WORK EXPERIENCE

Jelly's Musikgarten, Macau

July – September 2020

Computer System and Network Administrator

- Developed a management system to expedite purchasing, sales, and stock management.
- Upgraded existing network facilities to improve staff productivity and satisfaction.

ENGINEERING STUDENT TEAMS

Sustaingineering, University of British Columbia

September 2019 – February 2020

Member of Software Team

- Enhanced solar system dashboard data display functionality using JavaScript on React to display historical performance data, improving user understanding of system performance trends.

AWARDS AND SCHOLARSHIPS

University of British Columbia Dean's Honour List

2020 - 2021

Macau Education and Youth Affairs Bureau Scholarship

2019 - 2021

Duke of Edinburgh International Award – Bronze Level

2019