

Patrick WU, Jinming

Website: <https://patrickwu.space/>

Email: me@patrickwu.space

GitHub: [patrick330602](https://github.com/patrick330602)

Mobile: +852-91796890

EDUCATION

- **Chinese University of Hong Kong** Hong Kong
Master of Science in Computer Science *Sep. 2020 – Jun. 2021*
 - Targeted Taught Postgraduate Programmes Fellowships Scheme 2020-21 @ Jul 2020, issued by **University Grants Committee**
- **Missouri University of Science and Technology** Rolla, MO
Exchange in Computer Science *Jan. 2018 – Jun. 2018*
- **Hong Kong University of Science and Technology** Hong Kong
Bachelor of Engineering in Computer Science and Engineering *Sep. 2015 – June. 2019*
 - REDBird Silver Award @ May 2017, issued by **Dean of Students' Office**
 - REDBird Bronze Award @ May 2016, issued by **Dean of Students' Office**

WORK & INTERNSHIP EXPERIENCE

- **Ubuntu Desktop Software Developer** APAC
Canonical Ltd. *Mar 2020 - Nov 2021*
 - Implementing support for new WSL features in Ubuntu and closely following upstream development in WSL
 - Management of Ubuntu WSL applications in the Microsoft Store
 - Implementing support for Ubuntu features in the WSL version of Ubuntu
 - Contributing to upstream projects in support of WSL features
 - Contributing to feature roadmaps
 - Performing Quality Assurance and defining and managing test plans
 - Managing Ubuntu Hyper-V images in the Quick Create gallery
- **Software Developer** APAC
Whitewater Foundry *Sep 2018 - Mar 2020*
 - Develop Penguin out-of-box experience and related packages on Windows Subsystem for Linux.
 - Review code and pull requests submitted by the community and help to solve issues
 - Translated project documentation to Chinese.
- **Data Engineer** Hong Kong
AlikeAudience *Aug 2019 - Sep 2019*
 - Analyze data samples from data providers using PySpark and Pandas to extract actionable insights.
 - Build and maintain an Apache Zeppelin server with Apache Spark on Alibaba Cloud.
 - Maintain and analyze computing infrastructure and object storage on Alibaba Cloud to optimize computing capability while reducing costs.
- **Big Data Platform Software Developer** Hangzhou, Zhejiang, China
Light Innovation Technology Ltd *Jun 2018 - Aug 2018*
 - Researched the IcePy-based Bio-Image System OMERO.
 - Contributed to developing the 3rd generation of Bio-Image software platform with Java and Python.
- **Software Engineer** Hong Kong
WE. Studio *Sep 2013 - Mar 2018*
 - Developed around 20 Windows Phone and UWP Applications, including Love Search, WPerfect, WeFile, UWP DevKit and Fcus.
- **Engineering Intern** Ningbo, Zhejiang, China
IBM *Jun 2017 - Aug 2017*
 - Studied and implemented machine learning algorithms with Python and Java.

- Worked on Apache Spark projects.

- **Backend Developer**

Zhuhai, Guangdong, China

AdvanPro Inc

Jun 2016

- Developed backend software stack for company products in C++.
- Improved product concept design.

VOLUNTEERING & EXTRA-CURRICULAR EXPERIENCE

- **IT Dept. Director**

MSSS, HKUST

Hong Kong

May 2017 - Apr 2019

- Maintain the homepage and Clearwater Bay Forum.
- Manage mailing lists and social media accounts.
- Organize activities, such as a photo competition.

- **Volunteering Website Administrator**

CSSAHK

Hong Kong

Aug 2016 - Jun 2017

- Published articles and maintained the homepage of Hong Kong Mainland Student and Scholars Association (<http://www.cssahk.org/>) and Hong Kong Chinese Innovation and Entrepreneurship Association (<http://www.hkciea.org/>).

- **Organizing Dept. Member**

MSSS, HKUST

Hong Kong

Jul 2016 - Apr 2017

- Organized activities for MSSS Members including Halloween Masquerade, Summer Orientation, and Shatin Cycling Event.

- **Member**

REDBird Award Program, HKUST

Hong Kong

Sept 2015 - May 2017

- Participated in the communities and help NGOs including Crossroads Foundation Hong Kong and Heep Hong Society.
- Learned and improved personal leadership skills through training and practices.

PROJECTS

WSL Utilities (<https://wslutiliti.es>)

- A collection of utilities for Linux Subsystem for Windows (WSL) that help you get things done easily on WSL.
- **wslu**: Main collection of utility command line tools for WSL built using Bash Shell, PowerShell, and C#.
- **wslpy**: A Python library for interacting with WSL.
- **wslcfg**: A command line tool built using Rust for configuring WSL distributions.

LANGUAGE & TECHNICAL SKILLS

English Proficiency

- **IELTS**: 7.5 out of 9
- **TOEFL**: 95 out of 120

Programming Skills

- **Proficient**: Python (6 years of experience), C# (10 years of experience), Vanilla JavaScript (14 years of experience)
- **Intermediate**: Bash Shell (5 years of experience), NodeJS (4 years of experience), EJS (4 years of experience)
- **Familiar**: Java (2 years of experience), C++ (2 years of experience), PHP (2 years of experience), ASP.NET (With 3 years of experience), Bootstrap (With 1 years of experience), Sass (With 1 years of experience), Vue.js (2 years of experience)

* *References available on request.*