

Yuxuan Wang

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[[Linkedin](#)] [[GitHub Page](#)]

EDUCATION

2016-Present University of St Andrews - Master in Science(Honours), Computer Science

- Junior student in integrated master degree, expected 1st class honours
- Obtained an academic scholarship of \$25000
- Field interest: Software engineering, Web application design, Virtual reality

2013-2016 Zhongzhi Cambridge Center, Ürümqi

- CIE A-level: Mathematics(A), Physics(A), Chemistry(A), Computing(B)
- Obtained an academic scholarship of \$3600
- President of school news agency(2014-2015), managed and organised school publicity events

TECHNICAL SKILLS

Programming skills

- General-purpose languages: Proficient in **Java**(application, algorithm, middleware, **Android** development), **C/C++**(application, algorithm, OS-level programming), **Python**(data analysis, MicroPython); Intermediate in **Haskell**
- Web languages: Proficient in **HTML/CSS**(Webpage GUI), **Javascript**(JSON, AJAX, **Node.js**, middleware); Intermediate in **Bootstrap**, **PHP**
- Other languages: Proficient in **SQL**, **LaTeX**, **Markdown**; Intermediate in **Lua**(add-on design), **Arduino/Scratch**(teaching)
- Technologies/Environments: Windows, Linux, MariaDB(database connection)

Development & management skills

- Software engineering:
 - Proficient in Agile & Scrum programming, experienced in helping the team to reach consensus and coordinating project demands in the role of scrum master; worked efficiently in accordance with the sprint plan in the role of scrum team member
 - Proficient in TDD, unit testing and code inspection, experienced in designing tests considering realistic scenarios and identifying TDD requirements with the aid of testing tools
- Project management:
 - Skilled in version control system such as **Git** and **Mercurial**
 - Proficient in group/pair programming, competent in cooperating with group members on analysing requirements and implementing solutions; Had abundant experience of joining programming races and hackathons

Project examples

- **Go/Gomoku** (Java/Haskell): Graphical gomoku game with minimax gaming AI algorithm
- **Junior Honour project** (Python/C++/Node.js): social-media integration platform with BBC Microbit controller(allow user to access social platforms (Facebook,Twitter etc.) with some additional applications using BBC Microbit board)

WORKING EXPERIENCE

Sep/2018-Jun/2019 Chinese Hongpao Society, St Andrews Committee

- Helped new Chinese university student as society volunteer
- Organised Chinese culture publicity events and activities such as balls and parties to help build a strong community as event department committee

May/2017-Jun/2017 Abilix brainstorm & robot programming school, Ürümqi Teaching Assistant

- Helped pupils to study programming knowledge and make simple robots using Scratch and Arduino
- Learnt 3D printing knowledge and hardware maintenance basis to assemble and repair 3D printers

ADDITIONAL SKILLS

Linguistics **Mandarin**(native), **English**(proficient, IELTS 7.0/9), **German**(basic communication)
Musical **Piano**(proficient), **Music theory**(proficient), **Guitar**(amateur)
IT **Office**(proficient in Word, Excel, Powerpoint), **Hardware maintainance**

INTERESTS & ACTIVITIES

- Joined UK National Student Esports DotA2 Championship as a member of St Andrews Gaming Society
- Rich experienced in public speaking and party hosting during high school. Able to do fluent presentation or hosting in both Mandarin and English