

Yuxuan Wang (王育瑄)

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[[Linkedin](#)] [[GitHub Portfolio](#)]

EDUCATION

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

- Penultimate student in integrated master degree, expected distinction classification
- Obtained an academic scholarship of \$25000
- Field interest: Software Engineering, Software Architecture, Visualisation design

2013-2016 Zhongzhi Cambridge High School, Ürümqi

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

TECHNICAL SKILLS

Programming skills (bold languages are proficiently used)

- General Programming Language: **Java (JavaSE & Android)**, **C/C++**, Python, Haskell, Lua
- Web Programming Language: HTML/CSS, **JavaScript (NodeJS & Bootstrap)**
- Other Languages: SQL, LaTeX, Markdown, Arduino, Scratch
- Technologies/Environment: Windows/Linux, MariaDB

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

Past projects

- **Go/Gomoku (Java/Haskell)**: Graphical gomoku game with minimax gaming AI
- **Junior Honour project (Python/C++/NodeJS)**: 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-Present Chinese Hongpao Society, St Andrews Event Coordinator

- 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 & event coordinator

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 & 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