

Royston Beh Zhi Yang

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Singapore

Education

Nanyang Technological University, Singapore (School of Computer Science and Engineering)

Aug 2016–Ongoing

Bachelor of Engineering (Honours), Computer Science, expected graduation (May 2020)

GPA: 4.71/5.0

Oregon State University

Apr 2018–Aug 2018

(School of Electrical Engineering and Computer Science) Semester Exchange

Professional Experience

Centre for Strategic Infocomm Technologies

Jan 2019–Aug 2019

Year 3 Semester 2 Intern (Software Security Intern)

- Assist in the R&D of Windows 10 Features and ways to abuse them.
- Apply Windows 10 Forensic Capabilities to investigate, detect anomalies and actions.
- Assist in research and investigation in Software Security area.

Ohmyhome Pte Ltd

Dec 2016–Mar 2017

Tech Support Intern

- Assist in User Acceptance Testing of the applications.
- Responsible for searching for efficient ways to make use of the database information to gain insights.
- Communicate with consumers to address problems and assist them with different issues.
- Wrote programs to gather information from various websites for analytics purposes.

Singapore Armed Forces

Feb 2014–Jun 2016

Guards Leader

- Served as a sergeant in 3rd Battalion Singapore Guards, and an instructor at the Specialist Cadet School.

Relevant Projects

Multi-Disciplinary Project

Aug 2018–Oct 2018

Algorithm Team

- Involved in development of software algorithms using Java, communications and integration with the hardware.
- Worked with a group of 8 people to build a robot which can traverse a maze with high accuracy and speed.
- Responsible for the software part of the project.

PSA Game IT

Aug 2017–Oct 2017

Developer

- Involved in the development of a Tower Defense game using Unity and C# on both Android and IOS platforms.
- Responsible for conceptualizing and coding of the project.

Singapore Computer Society Splash Awards 2017 (Drone Challenge)

Jul 2017–Dec 2017

Design Lead

- Oversaw a team of 3 in developing a solution that uses drones to complement firefighting efforts.
- Achieved 2nd placing in the competition and secured a funding of up to \$1000 from Garage@Crespion.

Activities

Welfare Services Club Teaching Programme (Deaf Community)

Jan 2019–Ongoing

Tutor

- Teaches a child with hearing disabilities and assisting him with his learning of school work every Saturday.

Overseas Community Involvement Project (Myanmar)

Jan 2017–Jun 2017

Programmer

- Planned and designed teaching programmes, games and activities for the needy children in Myanmar over 10 days.
- Coordinated with a group of 19 volunteers for execution of events on the ground.

CITI-YMCA Youth For Causes Project

May 2012–Sept 2012

Special Projects Subcommittee Member

- Planned and organized several initiatives to raise funds and increase awareness for the needy in Geylang Bahru.
- Coordinated more than 50 volunteers and reached out to more than 10000 people.
- Worked with Touch Community Services to multiply the seed funding of \$1,600 to more than \$8000 within 15 weeks.

Centre for Talent And Development Project

Apr 2012- Apr 2013

- Led a team of three to investigate and devise solutions to solve an engineering question through research and experimentations through the year.
- Represented the school in Singapore Science Engineering Fair (SSEF).

Awards & Achievements

Centre for Strategic Infocomm Technologies Mid-Term Scholarship	Jul 2017
Good Progress Award	2012
Edusave Scholarship for Integrated Programme (ESIP) – Junior College	2012,2013

Skills

Team Management (Intermediate) | Java (Intermediate) | | C# (Intermediate) | C (Intermediate) | MATLAB (Intermediate) | Python (Intermediate) | Android Studio (Intermediate) | Arduino (Basic) | Unity (Basic) | HTML/CSS/JavaScript (Basic) | NodeJS (Basic)

Interests

Cyber Security | Software Security | Machine Learning | App Development | Product Development | Reading

Languages

English (Native) | Mandarin (Fluent) | Malay (Basic) | Singapore Sign Language (Basic)