**HONG WEI YANG**

**Email: e0309414@u.nus.edu Mobile: +65 97293587**

**EDUCATION**

**National University of Singapore (NUS) Aug 2018 - Present**

* Bachelor of Engineering (Computer Engineering Honors) Year 2
* Current Cumulative Average Point (CAP): 4.18/5
* Expected Date of Graduation: May 2022

**WORK EXPERIENCE**

Open Electricity Act (OEM) Part-time Promoter,

Marketing Agency: Uconnectionz Pte Ltd, Singapore Jul 2018 - Jul 2019

* Met daily sales target and provided customers with information regarding open electricity act.
* Managed booths and roadshows island-wide, verifying and signing up potential customers.

**HR Assistant(contract), Neovia 3PL, Singapore Nov 2017 - Apr 2018**

* Organized warehouse employee’s leave record in Microsoft Excel and Microsoft Access.
* Planned and managed recruitment of blue-collared warehouse assistants by conducting interviews.

**Chemical Defense Combat Engineer, Singapore Armed Forces (National Service) Jan 2016 - Nov 2017**

* Learned the importance of teamwork and swift decision-making during time critical missions.

**EXTRA-CURRICULAR ACTIVITIES**

**Jurong West Symphonic Band**

* Played as a saxophone member.
* Conducted sectional practices for section members as a section leader.
* Clinched silver award at the Singapore Youth Festivals and Singapore Band Festivals as a participating member.

**VOLUNTEER EXPERIENCE**

* Led the effort to re-furnish homes of less-fortunate Singaporeans staying in the East side, together with the 39SCE combat engineers.
* Created elderly-friendly exercise routines, provided meals and played games together with the elderly staying in St Joseph’s Home.

**Projects involved**

Search and rescue robot (miniature version, dimension ~30cm x 60cm)

Created a robot to navigate a maze wirelessly and without looking at maze, achieved by tunneling into robot’s remote terminal using SSH and making sure connection is secure with TCP/IP encryption. The system uses robot operating system under Linux and maze map was generated by robot scanner remotely and sent to user-control using SLAM algorithm.

Social media app integrated with fitness elements in Android

Designed and developed an android application via android studio in Java, while backend was built with in MySQL and PHP. Learnt about basic software development, API calls and hacking together prototype features, debugging and user testing, as well as version control with Git.

**Interest**

* Powerlifting and working out. Helps alleviate stress and keeps me grounded.
* Learning new tech stacks and using it to build cool things.