

AASHVIN CHANDRU RELWANI

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EXPERIENCE

OCTOBER 2017 – AUGUST 2019

TRANSPORT SPECIALIST (3SG), SINGAPORE ARMED FORCES

- Platoon Sergeant in Transport Hub West: Jurong (ITI) Node.
- Led a platoon of transport operators to assist in island-wide training.
- Worked on and taught vehicle maintenance skills.
- Used and made improvements to the transport and maintenance Electronic System.
- Liaised with reservist battalions to ensure all requirements were met for their training.

NOVEMBER 2020 – DECEMBER 2020

ROBOTIC SOFTWARE ENGINEER, UVROBOTS

- Worked on the development of a wheeled autonomous robot with the purpose of room disinfection from COVID-19.
- Worked on the upgrade of framework, implementation of localization and navigation, and transition from LiDAR to stereo camera.
- Collaborated with various teams internationally and locally to negotiate standards and integration.
- Performed testing through simulation as well as extensive live testing.

EDUCATION

AUGUST 2015 – JULY 2017

A LEVEL,

TANGLIN TRUST SCHOOL

- Mathematics grade A*. Further Mathematics grade A*. Computer Science grade A. Physics grade A. Extended Project Qualification grade A.
- Prefect for the Computer Science department.
- Hosted tutoring sessions and competitions for GCSE students.

SEPTEMBER 2019 - PRESENT

MENG COMPUTER SCIENCE,

UNIVERSITY COLLEGE LONDON

Completed Modules Include

- Compilers
- Discrete Mathematics for Computer Scientists
- Object Oriented Programming
- Software Engineering
- Integrated Engineering Programme – Engineering Challenges

SKILLS

TECHNICAL

- Python (ROS, Scikit-Learn, Django)
- C / C++
- Java
- VB.NET
- HTML / PHP / CSS
- SQL

CERTIFICATIONS

- CSMM.101x Artificial Intelligence (AI) from ColumbiaX
- CSMM.103x Robotics from ColumbiaX

EVENTS AND PROJECTS

- Currently working on a voice call analysis system for GP clinics in collaboration with the NHS and RCGP.
- Assisted in the internal organization and worked on the website development for the first annual TEDx Tanglin Trust School in 2016.
- Designed, built and programmed an autonomous room mapping car using a Raspberry Pi and ultrasound sensors.
- Developed a website for the film department of Tanglin Trust school, with booking functions of facilities and equipment.