

Janus Kiong Yan Cong

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EDUCATION

Nanyang Technological University <i>Bachelor of Engineering Science (Computer Science) and Masters of Science in Technology Management</i> <ul style="list-style-type: none">Renaissance Engineering Programme (Premier Scholars' Programme for top 2% of cohort)CGPA: 4.57 (Expected First Class Honours) with Expected Graduation on Dec 2018	Aug 2014 – Present
Northwestern University <i>1 year study in USA, concurrent with REP</i> <ul style="list-style-type: none">Segal Design Certificate	Sep 2016 – June 2017
Engineering School of Information and Digital Technologies (EFREI) <i>Summer Exchange Programme in Paris</i> <ul style="list-style-type: none">Unified Modelling Language, Project Management and French Language	Jun 2015

PROFESSIONAL EXPERIENCE

openBerlin Cisco Innovation Centre <i>Intern</i> <ul style="list-style-type: none">Part of DevOps team to set up a Mantl cluster for containerized applicationsUsed Docker containers for apps	Jun 2016 – Sep 2016
Republic of Singapore Air Force <i>Dedicated Crew Chief</i> <ul style="list-style-type: none">Serviced and inspected F16D+ fighter planes and launched pilots for their sortiesTrained and oversaw juniors for their on-the-job trainingAwarded Best Serviceman (NSF) for overseas detachment	Feb 2012 – Feb 2014

PROJECT EXPERIENCE

Autonomous Ground Vehicle <ul style="list-style-type: none">Final Year ProjectDesigning an autonomous ground vehicle that navigates using LIDAR, camera and UWB in enclosed areasCreating a graphical user interface in the form of a web app	Aug 2017 – Present
Mobile App Design <ul style="list-style-type: none">Designed collaboratively and tested user experience of a priority based time management appUsed Python to develop a mobile app	Jan 2017 – June 2017
Machine Learning <ul style="list-style-type: none">Used Tensorflow and scikit-learn in Python to code machine learning algorithms on Kaggle DatasetAchieved top 5% of results globally	Sep 2017 – Nov 2017

CO-CURRICULAR ACTIVITIES

NUStars <i>Participant</i> <ul style="list-style-type: none">Tripoli Level 1 Certified	Sep 2016 – June 2017
REP Freshman Orientation Camp <i>Programmer</i> <ul style="list-style-type: none">Planned and executed activities for freshmen	Jul 2015
Arrow Scouts Group <i>Adult Leader</i> <ul style="list-style-type: none">Volunteered at alma mater (Victoria School) as both a mentor and leader for 50 scouts annuallyOrganised 6 annual camps and events such as Arrow Scouts Campfire involving 12 schoolsTaught and conducted tests for 120 juniors	Jan 2010 – Dec 2015

AWARDS AND ACHIEVEMENTS

NU Design Competition

May 2017

- Designed and built an autonomous robot that evades a pursuer
- Quarterfinalist

WildHacks

Nov 2016

- Designed and built a smart bin prototype that uses image recognition to sort waste
- Won Best Social Good App

Bloomberg Aptitude Test

Nov 2015

- Overall 2nd in Asia & Pacific

SKILLS

Programming Language

- Python (Intermediate)
- Java (Intermediate)
- C (Basic)
- HTML & CSS (Basic)

Software

- Solidworks (Intermediate)
- Microsoft Office (Intermediate)

Language

- English (Proficient)
- Mandarin (Proficient)