

Yu Yong Yeoh

Software Developer

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About

Software Developer and aspiring Machine Learning Researcher from Singapore. Currently serving National Service in Singapore. Hope to pursue a degree in Mathematics and Computer Science in the future.

Experience

Red Dot Robotics / Research Assistant Intern

JANUARY 2020 - MARCH 2020, SINGAPORE

- Obtained, explored and prepared > 100000 data-sets and implemented it into a Spatial Convolutional Neural Network for traffic scene understanding
- Implemented 5 machine learning models with varying data-sets in order to sift out the model with the highest accuracy
- Final machine learning model showed significant improvement in accuracy compared to original models

BuildingBloCS 2019/ Vice-Chairperson

JANUARY 2019 - JUNE 2019, SINGAPORE

- Helped to lead BuildingBloCS 2019, Singapore's largest student-initiated Computing event, hosted by A-Level Computing students for O-Level Computing students
- Created a year-long Python Programming, Data Analysis and Machine Learning for > 400 O-Level students in Singapore

BuildBloCS 2018 / Competition In-Charge

JANUARY 2018 - JUNE 2018, SINGAPORE

- Conducted multiple lessons around Singapore and taught up to 40 facilitators the basics of Flask, a micro web framework written in Python.
- Led and helped to organise a Flask-based chatbot-building competition with over 400 participants

Education

Dunman High School / A-Levels

JANUARY 2014 - DECEMBER 2019, SINGAPORE

- H2 Mathematics, H2 Further Mathematics, H2 Computing
- Info-comm Club Executive Committee 2019
- Table Tennis Captain 2019, 2017, 2015
- Table Tennis Vice-Captain 2018, 2016, 2014
- Sports Leader 2019, 2018

Awards

APICTA Awards 2018 / Merit Award

OCTOBER 2018

- International awards program aimed at increasing ICT awareness and providing networking opportunities for students, professionals, venture capitalists and investors.
- Represented Singapore as one of its 3 teams under the "Senior Students Project" category at the 2018 APICTA Awards in Guangzhou

Ace of Coders 2018 - Senior Category / 3rd Place

NOVEMBER 2018

- Organised by NUS and IMDA in its 5th year with over 1000 participants each year.
- Participants first complete coding challenges and the top students are selected by their schools to compete in the finals.
- Students subsequently form teams and code their game characters to compete against those from other teams.

National Olympiad in Informatics 2019 / Bronze Medal

MARCH 2019

- Participated in the Singapore National Olympiad in Informatics (NOI), a programming contest that emphasises creativity in problem-solving on the one hand, and programming skill and expertise on the other
- NOI consists of a 5-hour session where each contestant is required to individually solve and program a solution to each of the four to five programming tasks
- The solutions are judged according to their correctness (i.e. whether they produce the correct answers) as well as the resources used (i.e. producing the answers within a time, memory, and/or other special limits).
- Competed against the top 4 students from all Junior College and Secondary Schools in Singapore.
- Placement in the top 50% of contestants

DSTA Cyber Defenders Discovery Camp 2019 / Silver Award

JUNE 2019

- Competed against 40 teams from 24 Junior Colleges around Singapore and attained 5th position.

- Awarded a Silver Award for achievement in competition

Australian Mathematics Competition / Distinction

AUGUST 2019

- The Australian Mathematics Competition is an engaging 30-problem competition that demonstrates the importance and relevance of mathematics in students' everyday lives
- Placement in the top 25% of contestants who participated in the Senior Category