Gan Zhi Wei
zgan@mit.edu

Date of Birth: 9 July 2001   Nationality: Malaysian

Education

Choate Rosemary Hall, CT, USA   2017 – 2019
- Courses taken include Advanced Physics (Honors), Linear Algebra (Honors), Multi-Variable Calculus (Honors), Computer Science (Honors), Machine Learning, Natural Language Processing, Number Theory, Differential Equations & Applied Linear Algebra (Directed Study, Honors)
- Junior Year GPA: 3.77 (Fall), 3.81 (Winter), 3.90 (Spring), 3.83 (Year), 4.16 (Weighted)
- SAT: Evidence-Based Reading and Writing: 720, Math: 800, Total: 1520/1600
- SAT Essay: Reading: 7, Analysis: 6, Writing: 8
- SAT Math II: 800, SAT Physics: 800
- AP Physics C Mechanics: 5, AP Physics C E&M: 5, AP Computer Science A: 5

The Alice Smith School, Kuala Lumpur, Malaysia   2012 – 2017
- GCE AS-Level Mandarin: A
- iGCSE: 12A*s in 12 subjects – English Language, English Literature, Malay, Mandarin, Additional Mathematics, Mathematics, Physics, Chemistry, Biology, History, Geography, Music
- AP Calculus BC (self studied): 5

SJKC Kuen Cheng 1, Kuala Lumpur, Malaysia   2008 –2012

Academic Awards / Honors

Choate Rosemary Hall:
- Deans' List: Fall 2017, Winter 2017/2018, Spring 2018
- Athletics Sub-Varsity Certificate: Spring 2018

The Alice Smith School:
- 2014 UKMT Junior Mathematical Challenge: Bronze
- 2015 & 2016 UKMT Intermediate Mathematical Challenge: Silver
- 2017 UKMT Intermediate Mathematical Challenge: Gold, Best in Year, Best in School
- 2017 UKMT Pink Kangaroo: Qualification
- Discretionary Bursary to study 6th Form at Alice Smith

Internship Experience

Universiti Tunku Abdul Rahman   Jun-Aug 2018
Supervisor: Dr Tay Yong Haur

Completed and presented research on A Deep Learning Approach to Texture Synthesis. Explored Generative Adversarial Networks and its applications and variations.

Internship Experience- cont'd

Aeste Works (M) Sdn Bhd   1 week in 2015
Proprietor: Dr Shawn Tan   1 month in 2016

Primary responsibility to develop a Certificate Management System for the company's product web app using the Open SSL Library in C++. Co-wrote a user guide for the new product.

Skills & Hobbies

Languages   English: Fluent   Mandarin: Intermediate
                   Bahasa Malaysia: Intermediate

Programming   Python and C++: Proficient

Extra Curricular Activities – cont'd

- 2016 Asia Pacific Informatics Olympiad: Qualification
- 2017 Malaysian Computing Challenge: Individual Gold and Team Gold
- 2017 Malaysian Computing Olympiad: Gold
- 2017 Asia Pacific Informatics Olympiad: Honorable Mention
- 2017 International Olympiad in Informatics: Qualification

Positions of Leadership

Choate Rosemary Hall:
- 2018: Co-President of the Choate Programming Union
- 2018: Organizer – MA Hacks Fall 2018
- 2018: Vice President – Choate Physics Club

The Alice Smith School:
- 2013-2017: Orchestra Brass Sectional Head
- 2017: Co-Founder and Facilitator of school's Code Club