

Shermern Ang

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EDUCATION

Carnegie Mellon University - Bachelor of Science, Computer Science May 2025

- Relevant Coursework **GPA 3.8**
 - Principles of Imperative Computation, Principles of Functional Programming, Vector Calculus for Computer Scientists, Introduction to Electrical and Computer Engineering

Hwa Chong Institution, Singapore - GCE A Levels Dec 2019

- 6 Distinctions for GCE A Levels, in Physics, Chemistry, Math, Economics, General Paper and Project Work

PROJECTS

Waves - Unity Present

- Developer for Waves, an independent game selected to present at the Game Developers Conference 2023

Sudoku - Python, OCR, Selenium Dec 2022

- Designed and developed a Python-based Sudoku with automatic solver and web-scraping functionalities

Hack 112 - Python, Selenium Nov 2022

- Created application for students to hone coding skills solely using CMU Graphics and python

Hack@CMU - Python, Discord API Sep 2022

- Implemented Discord chat bot for creating virtual marketplace for school meals

ScheduleEase - Python, Selenium Sep 2021

- Automated lesson booking bot with customizable functionalities, first personal project

WORK EXPERIENCE

Lieutenant, Military Police Command - Singapore Armed Forces Dec 2020 - Feb 2022

- Platoon Commander of Traffic Platoon and Presidential Guards Platoon
 - Managed a Platoon of 40 men for operations and training daily
- Training Coordination Officer
 - Oversaw training and coordination for a Unit of more than 500 men
- Commissioned in top 10% of cohort as a 2nd Lieutenant and awarded Platoon Best for Fitness

EXTRACURRICULARS

CS for Ukraine - Service Present

- Instructed Ukrainian teenagers and young adults in basic Python

General Secretary - High School Student Body Council Jul 2018 - Jul 2019

- Coordinated administration for Student Body Council, for over 1000 student

Vice-Captain/Member - High School Canoeing Team Jan 2014 - Dec 2019

- Organized the High School Canoeing team of 100 members, leading team to 2 national championships

RESEARCH

Deep Learning for Optimization in Robotics Present

- Research assistant in using deep networks to enhance speed of optimization problems in robotics

AWARDS

Outstanding Student Award - Hwa Chong Institution 2017 - 2019

- Attained Outstanding Student Award for 3 Years for exemplary academic and extra-curricular performance

TECHNICAL SKILLS

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- Python - C - SML - React - Word - Excel VBA - LaTeX - Selenium - GitHub - Linux - Vim