

VICO LEE

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EDUCATION

Dartmouth College

Hanover, New Hampshire

GPA 3.96/4.00

Sep 2020 – Jun 2024

Bachelor of Arts, Double Major in Computer Science & Mathematics

Relevant Coursework: Introduction to Programming and Computation (Python) – A* (Citation for Academic Excellence), Problem Solving via Object Oriented Programming (Java), Full-Stack Web Development (HTML/CSS/JavaScript/React)

Meridian Junior College

Singapore

Graduation Rank: 1/700

Jan 2016 - Dec 2017

SAT IIs: Math II - 800/800, Physics - 800/800

Honors: Double Honor, **Valedictorian and Student of the Year** (First time in school's history) | Academic Excellence Award for Perfect Score (Top 1%) | Service Distinction Award for Outstanding Contributions (Volleyball Captain)

Activities: Founder and Captain of Victoria Volleyball Club (18 Zonal & 1 National Award) | Vice-chair of 6th ASEAN Youth Convention

TECHNICAL COMPETENCIES & CERTIFICATIONS

Proficient: Python, Java, Full Stack Web Development, HTML/CSS/JavaScript, Ruby, Ruby on Rails, Git

Familiar With: SQL, Dart, Flutter, Linux Server, Tensorflow, Keras, Matplotlib, Pandas

Certifications:

- Data Science Professional Certificate (9 courses by IBM)
- Deep Learning Specialization (5 courses by deeplearning.ai)

RELEVANT EXPERIENCE

Reality and Robotics Lab, Dartmouth College

Hanover, New Hampshire

E.E Just Summer Intern

Jun 2021 – Present

- Conducting research to optimize information transmitted between robots underwater using 3D simulations like Gazebo.

Lynch Rocket Lab, Dartmouth College

Hanover, New Hampshire

Data Science Intern

Oct 2020 – Feb 2021

- Conducted research on machine learning tools like Linear Support Vector Classification and edge detection neural network algorithms to extract features of the northern lights' plasma waves.
- Studied metrics for comparing plasma flow data collected from different satellite positions.

Coinhako

Singapore

Software Engineer Intern

May 2020 – Jul 2020

- Led the design of a telegram chatbot using **Ruby on Rails** web framework on **Postgresql** database in a **Linux Server**.
- Deployed a chatbot that scrapes and centralizes crypto news sources, sending users relevant crypto trading news updates.

Defense Science Organization (DSO) National Laboratories

Singapore

Machine Learning Research Intern

Jan 2020 – Mar 2020

- Researched on the use of **Generative Adversarial Networks** (GANs) using **Tensorflow** and **Keras** to generate de-biased data that optimizes a fairness criterion, reducing machine algorithms' discrimination towards certain groups of people.

LEADERSHIP & ADDITIONAL ACTIVITIES

DartUP

Hanover, New Hampshire

Founder & Chairperson

Dec 2020 - Present

- Leading a team of 10 to organize a new form of competition where teams build a startup for 4 months.
- Spearheading sponsorship, marketing, club recruitment, technical workshops, and competition planning efforts.

HackDartmouth

Hanover, New Hampshire

Sponsorship Lead

Nov 2020 – Present

- Leading a team of 10 to secure sponsorships from software firms for 600+ participants worldwide.
- Responsible for holding workshops on campus to teach beginner developers languages like JavaScript, HTML, and CSS.

Singapore Armed Forces

Singapore

CSSCOM S1, Section Commander

Jan 2018 – Nov 2019

- Commanded a team of 4 to coordinate legal advisory services and surprise raids across 1,000+ servicemen, providing support for Military Police and Special Investigation Branch.
- Drafted mitigation pleas for servicemen who were accused of flouting military law, subjected to Summary Trial or Court Martial.

SKILLS & INTERESTS

Languages (Bilingual): English, Chinese (Mandarin)

Interests: Volleyball, Ultimate Frisbee, Hiking, Golf, Snowboarding, Artificial Intelligence & Ethics