VICO LEE

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EDUCATION

Dartmouth College, Hanover, NH   **Sep. 2020 – Jun. 2024**
Bachelor of Arts: Double Major in Computer Science & Mathematics
Relevant Coursework: Citation for Academic Excellence in Introduction to Programming and Computation (Python)**,** Problem Solving via Object Oriented Programming (Java), Full-Stack Web Development (HTML/CSS/JavaScript/React)

Meridian Junior College, Singapore   **Jan. 2016 – Dec. 2017**
Valedictorian & Student of the Year (first time ever handed to Valedictorian). Academic Excellence Award (Top 1% in Country)
Founder & Captain of Victoria Volleyball Club (18 Zonal, 1 National Award). Vice-Chair of 6th ASEAN Youth Convention.

PROFESSIONAL EXPERIENCE

Crimson Education, San Francisco, CA   **Jul. 2021 – Sep. 2021**
Data Science Intern
- Worked directly under the Chief Operating Officer to run business health analysis and data analysis for 20+ offices globally.
- Developed **SQL** queries to join 10+ data collections and parse 1,000,000+ user reviews to evaluate 600+ employees' KPIs.

Lynch Rocket Lab, Hanover, NH   **Oct. 2020 – Feb. 2021**
Data Science Research Assistant
- Created a tool to automate the comparison of northern light images by quantifying features such as degree of curvature.
- Boosted existing edge detection algorithm's accuracy by 100% and decreased image noise by 80%, reducing overall human supervision by 80%. Overarching project was selected by NASA as a top 4 candidate for future space missions.

Coinhako, Singapore [GitHub]   **May 2020 – Jul. 2020**
Software Engineer Intern
- Designed and deployed a Telegram chatbot in a Linux Server using **Ruby on Rails** web framework and Postgresql database.
- Chatbot automatically compiles news from 10+ reliable sources and creates personalized feeds for 12,000+ traders.

Defense Science Organization (DSO) National Laboratories, Singapore   **Jan. 2020 – Mar. 2020**
Machine Learning Research Intern
- Researched the generation of de-biased datasets with **Generative Adversarial Networks** built using **Tensorflow**.
- Trained model to gauge faces' attractiveness independent of features like skin color and gender.
- Created image-cropping algorithm to pre-process 200,000+ celebrity images.

PROJECTS

Resumov [Website | GitHub]   **Mar. 2020 – Jun. 2020**
- Led a team of 5 to use **ReactJS**, **AWS S3**, and **MongoDB** to develop a full-stack web application that generates customizable online portfolio templates for users based on their uploaded resume.
- Launched the platform during Dartmouth's tech fair, attracting 100+ signups with 500+ portfolios generated in 1 day.

Data Analysis on Chinese Restaurants in New York [GitHub]   **Aug. 2020 – Sep. 2020**
- Scraped data on existing Chinese restaurants in New York using the **Foursquare API** and trained machine using **Scikit-learn** models to identify crucial venues like tourist attractions that contribute to a restaurant's popularity.
- Used **Python**, **Matplotlib**, and **Pandas** to create a data visualization of the 160 ideal locations as predicted by the model.

LEADERSHIP & ADDITIONAL ACTIVITIES

DartUP, Hanover, NH   **Dec. 2020 - Present**
Founder & Chairperson
- Founded a club of 10 that organizes lean startup competitions, raising $5,000 of initial funding in the process.
- Spearheading sponsorship, marketing, club recruitment, and workshop planning efforts in collaboration with 10+ clubs.

HackDartmouth, Hanover, NH   **Sep. 2020 – Present**
Sponsorship Lead
- Led 10 club members to secure $15,000 worth of sponsorship prizes from software firms for 600+ participants worldwide.
- Organized workshops on campus to teach beginner developers JavaScript, HTML, and CSS, etc.

Singapore Armed Forces, Singapore   **Jan. 2018 – Nov. 2019**
Combat Service Support and Command Division (CSSCOM), Section Commander
- Commanded a team of 4 to coordinate legal advisory services and surprise raids across 1,000+ servicemen.
- Drafted mitigation pleas for servicemen accused of flouting military law, subjected to Summary Trial or Court Martial.

SKILLS & INTERESTS

Proficient: Python, Java, Full Stack Web Development, HTML/CSS/JavaScript, React, Ruby & Ruby on Rails, Git
Familiar With: SQL, Dart, Flutter, Linux Server, Tensorflow, Keras, Matplotlib, Pandas
Certifications: IBM Data Science Professional Certificate, deeplearning.ai Deep Learning Specialization, CodePath Certificate
Languages (Bilingual): English, Chinese (Mandarin)
Interests: Volleyball, Ultimate Frisbee, Hiking, Golf, Snowboarding, Surfing, Artificial Intelligence & Ethics