

# Ho Chiu Hong Colin

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## EDUCATION

**Bachelor of Science in Computer Engineering and Computer Science**  
**University of Southern California, GPA: 4.0/4.0**

Aug 2020 - May 2024

**IB Diploma**  
**Shanghai American School, GPA: 3.8/4.0**

Aug 2016 - May 2018

## SKILLS

- **Programming.** Competent in Python, Java, Javascript, C++, and Matlab programming.
- **Machine Learning.** Technical understanding and ability to implement machine learning models. Experienced in python-based frameworks including Tensorflow, Keras, Scikit-learn.
- **Front-end Development.** Fundamental knowledge in HTML and CSS.
- **Leadership:** Strong leadership and management abilities. Experienced with leading teams in military and academic settings.
- **Languages:** Verbal and written fluency in English and Mandarin.
- **Microsoft Office:** Working proficiency in Microsoft Excel, Word, and Powerpoint.

## COURSEWORK

Introduction to Programming, Discrete Mathematics for Computer Science, Multivariate Calculus, Applied Linear Algebra

## INTERNSHIP EXPERIENCE

**Human Resources Intern**

May 2017 - August 2017

*Fraser and Neave, Singapore*

- Developed Professional Coaching programs for employees to gain critical thinking and teamwork competencies.
- Researched and compiled financial data from regional competitors to enhance and renew current fiscal strategies.
- Honed key skills in time management and strategic communication as a result of meeting tight deadlines while collaborating with colleagues.

**Research and Development Laboratory Assistant**

May 2015 - August 2015

*AstraZeneca, Shanghai*

- Assisted in performing drug manufacturing processes for clinical trials.
- Facilitated the management and organization of foundational chemical compounds used for drug manufacturing.
- Gained invaluable lessons in organisation, discipline, and detail orientation in a high risk environment with toxic chemicals.

## MILITARY SERVICE

**Infantry Officer**

October 2018 - August 2020

*Singapore Armed Forces*

- Conducted training and tactical evaluations for reserve infantry battalions as an Infantry Platoon Trainer at Infantry Combat Training Center 2, Singapore Army.
- Appointed as operations officer in COVID 19 Operation Swift Response, which facilitated the conversion of military accommodation into emergency housing facilities for upwards of 1500 at-risk migrant workers.
  - Oversaw the daily operations at the facility e.g. swab testing, ration delivery.
  - Conducted emergency evacuation and isolation procedures for newly infected personnel.
  - Communicated and liaised with external organisations i.e. Ministry of Health, Singapore Police Force, to maintain smooth cooperation.
- Known for exceptionally prudent work ethic, ability to adapt to changes, and calm temperament under high pressure.

## CERTIFICATIONS

**Machine Learning**  
**Stanford University**

Dec 2020

**Deep Learning Specialization**  
**DeepLearning.AI**

Mar 2021