**Justin WONG | Mobile No.: 9731 0278 | Email: justinwong645@gmail.com**

**EDUCATION**

**Nanyang Technological University, Singapore** Aug 2022 – Present

**Bachelor of Science (Data Science and Artificial Intelligence) with a Minor in Economics**

* Current CGPA: 4.26/5.00

**AWARDS AND ACHIEVEMENTS**

* Academic Excellence Award (Distinctions in All Content Subjects for 2019 A-Levels)
* Commander’s Coin and Letter of Commendation from Formation Commander (National Service)
* NTU School Scholarship (School of Computer Science and Engineering)

**ACADEMIC PROJECTS AND COMPETITIONS**

**SC1015 Introduction to Data Science an Artificial Intelligence - Apple Stock Price Predictor**

* Cleaned twitter dataset containing tweets related to top NASDAQ companies and analysed twitter sentiments. I used VADER to derive sentiment scores. Achieved 56% accuracy of predicting movement in stock price using Random Forest Classifier with no extreme bias.

**SC2002 Object Oriented Design and Programming - FYP Registration Application System**

* Used OOP knowledge to develop an application using Java. The system was developed using a Model View Controller (MVC) architecture.

**AIFINITY 2023 - Hospital Death Rate Predictor**

* Analysed patient’s vitals and medical conditions. Carried out Exploratory Data Analysis and used LightGBM Classifier, Random Forest Classifier and Tensorflow Keras to predict mortality rate.

**RESEARCH EXPERIENCE**

**Artificial Intelligence and Data Science in Classrooms** Aug 2023 – Present

* Prominent research project under National Institute of Education, aiming to analyse how a teacher’s speaking can affect attention of students in classroom
* Formulation of research questions utilising datasets from local secondary schools
* Designing and implementing speech diarization pipelines using PyTorch, OpenAI Whisper, Pyannote, PyDub
* Applied NLP methodologies for sentiment analysis of speech

**WORK EXPERIENCE**

**Minmed Pte Ltd** Nov 2021 – Present

**Vaccinator (COVID-19 Vaccination Centre Operation)**

* Led a team of vaccinators and nurses and ensured that daily operations ran smoothly.

**CO-CURRICULAR ACTIVITIES**

**Nanyang Technological University Tanjong Hall, Financial Controller** May 2023 – Present

* Spearheaded various hall events, leading a team of 16 individuals to engage 800 residents.
* Managed the hall's finances through documenting transactions, processing claims/disbursement and assisting with audits.

**Nanyang Technological University Tanjong Hall, Business Secretary** Aug 2022 – Apr 2023

* Oversaw the hall’s bi-annual Exam Welfare Night. Led a team of 10 to prepare welfare items for 900 hall residents.
* In charge of liaising with corporate entities to sponsor internal events.

**Nanyang Technological University IEEE Business Secretary**  Aug 2022 – Apr 2023

* Assisted with the preparation of iNTUition, a 24-hour flagship hackathon event.
* Liaised with corporate entities to sponsor hackathons and events.

**Temasek Junior College, Volleyball Team Player** Feb 2018– Apr 2019

* Represented the college in the 2019 National School Games A-division Championships.

**SKILLS**

**Programming:** C, C++, Java, Python

**Technical Skills:**  Data structures and algorithms, Object-oriented Design and Programming

**Software Applications and Data Analysis Tools:** Microsoft office, Pandas, Scikit-learn, NLTK, Seaborn, PyTorch, Tensorflow, Google Cloud Platform,

**Database:** SQL

**LINKS**

**Github:** github.com/JustinWong645

**Personal Website:** justinwong645.github.io