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: 4.24/5.00
- Relevant Modules: Data structures and algorithms, Object-oriented Design and Programming, Software Engineering, Calculus, Probability, Statistics, Linear Algebra

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
- Analysed NASDAQ-related Twitter sentiments using VADER, achieved 56% stock price prediction accuracy with Random Forest Classifier.

SC2002 Object Oriented Design and Programming - FYP Registration Application System
- Developed an application using OOP and MVC architecture.

HE3022 Public Economics – Simulation of Tax Cuts and Job Acts policy
- Simulated Tax Cuts and Jobs Act policy; found minimal impact on income inequality with a slight benefit for higher earners and a 12.2% decrease in tax revenue.

AIFINITY - Hospital Death Rate Predictor
- Analysed patient's vitals and conditions, conducting EDA and utilizing LightGBM, Random Forest, and TensorFlow Keras for mortality rate prediction.

RESEARCH EXPERIENCE

Artificial Intelligence and Data Science in Classrooms   Aug 2023 – Present
- Research project under National Institute of Education, aiming to analyse how a teacher's speaking can affect student's learning in classrooms.
- Defined research questions utilising datasets from local secondary schools' and primary school's classrooms.
- 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 daily operations ran smoothly.
- Resolved conflicts from staff and patients.

CO-CURRICULAR ACTIVITIES

Nanyang Technological University Tanjong Hall, Financial Controller   May 2023 – Present
- Collaborated with main hall leaders to strategically review and introduce innovative changes to various hall events, leading and collaborating closely with a team of 20 individuals to engage 800 residents.
- Managed hall's finances by ensuring transparency through documenting transactions, processing claims/disbursement, and providing assistance during audits.
- Provided consistent leadership, empowering and mentoring a team of 20 members, fostering strong communication lines for feedback and direction.

Nanyang Technological University Tanjong Hall, Business Secretary   Aug 2022 – Apr 2023
- Identified the need to for better organisation and thus took lead by overseeing hall's bi-annual Exam Welfare Night. Delegated tasks efficiently and inspired a team of 10 to prepare welfare items for 900 hall residents.
- In charge of liaising with corporate entities to sponsor internal events, utilizing strong negotiation and communication skills to establish partnerships and sponsorships.

Nanyang Technological University IEEE Business Secretary   Aug 2022 – Apr 2023
- Contributed significantly towards preparation of iNTUition, a 24-hour flagship hackathon event that oversaw over a hundred participants.
- Liaised with corporate entities to sponsor hackathons and events, showcasing excellent communication skills to negotiate sponsorships and ensure smooth event flow.

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

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

Bedok Reservoir Punggol Youth Network Member   Jun 2022 – Present
- Conceptualised and proposed program initiatives to engage youth and residents of Bedok Reservoir Punggol.

SKILLS

Languages: English, Chinese
Programming: C, C++, Java, Python, R
Software Applications and Data Analysis Tools: Microsoft office, Pandas, Scikit-learn, NLTK, Seaborn, PyTorch, Tensorflow, Google Cloud Platform, Tableau
Database: SQL

LINKS

Github: github.com/JustinWong645
Tableau: public.tableau.com/app/profile/justin.wong2178/vizzes
Personal Website: justinwong645.github.io