**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, Statistics, Introduction to Database Systems

**AWARDS AND ACHIEVEMENTS**

* **Hackathons:**

SimplifyNext RPA x GenAI 2024 Champion (1st Place)

AIfinity 2022 Participant

* **Awards:**

NTU School Scholarship (School of Computer Science and Engineering)

Commander’s Coin and Letter of Commendation from Formation Commander (National Service)

Academic Excellence Award (Distinctions in All Content Subjects for 2019 A-Levels)

**PERSONAL PROJECTS**

**Apple Stock Price Predictor**

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

**FYP Registration Application System**

* Implemented on Java and developed an application using Object-Oriented Programming and Model-View-Controller architecture.

**Tax Cuts and Job Acts Policy Simulation**

* Simulated the American Tax Cuts and Jobs Act policy on a dummy population; concluded minimal impact on income inequality with a slight benefit for higher earners and a 12.2% decrease in tax revenue.

**EXPERIENCE**

**Monetary Authority of Singapore** May 2024 – Present

*Data Scientist Intern*

* Migrated codebase from on-premise to Amazon Web Service cloud infrastructure.
* Deployed Anthropic’s Claude for FOMC interest rate forecasting.
* Worked closely with internal business users within the organisation to ensure use case is refined iteratively.
* Delivered project based on agile methodology.

**National Institute of Education** Aug 2023 – June 2024

*Research Assistant*

* Funded research project by Ministry 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.

**CO-CURRICULAR ACTIVITIES**

**Nanyang Technological University Tanjong Hall**

*Financial Controller*May 2023 – May 2024

* 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.

*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** Aug 2022 – Apr 2023

*Business Secretary*

* 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.

**Bedok Reservoir Punggol** Jun 2022 – Present

*Youth Network Member*

* 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, UiPath

**Database:** SQL

**LINKS**

**Github:** github.com/JustinWong645

**Tableau:** public.tableau.com/app/profile/justin.wong2178/vizzes

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