

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)
Alfinity 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