

Claudia Beth Ong

Final Year Undergraduate

Expected date of graduation: May 2023, Soon-to-be graduate looking for a full-time DS/AI job

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EDUCATION

Nanyang Technological University

Bachelor of Science, Data Science and Artificial Intelligence (Minor in Linguistics and Multilingual Studies)

09/2019 - Present

4.37/5.0

Courses

- Machine Learning (A+): Understood different ML models such as Support Vector Machines, Artificial Neural Networks, and Linear Regression, and the mathematics behind them
- Artificial Intelligence (A): Applied programming methods to Reinforcement Learning problems, learnt first-order and fuzzy logic, Takagi-Sugeno-Kang FNN
- Natural Language Processing (A-): Learnt about traditional NLP techniques and newer ML models such as BERT. Applied GPT-3 for language generation
- Neural Networks and Deep Learning (A): Understood FFNNs, CNNs, RNNs, Attention, and GANs

Dunman High School Integrated Programme

01/2013 - 10/2018

5 Distinctions

Courses

- H2 Mathematics
- H2 Chemistry
- H2 Economics
- H2 English Language and Linguistics

WORK EXPERIENCE

Data Science Intern Shopee

08/2021 - 05/2022

Achievements/Tasks

- Built and trained NLP models with state of the art pretrained models (eg. BERT, RoBERTa, Transformers) for translation tasks, with reference to research papers
- Familiarized using Linux with SSH to train models remotely with GPUs
- Read up extensively on state of the art architectures for Machine Translation tasks from newly published papers in conferences such as ACL, EMNLP

Data Science Intern Kuok Group Singapore

05/2021 - 08/2021

Achievements/Tasks

- Visualised and cleaned large amounts of data with the use of Tableau and Python
- Used querying tools to get internal data from SAP databases
- Applied Python to automate AI tools to match similar textual data with the use of fuzzy matching

SKILLS

Bash Scripting

Natural Language Processing

Unix OS

SQL

R

Java

Python

Tableau

PRAAT

Microsoft Office: Word, Powerpoint

SAP S/4HANA, BW

SRS Documentation

PROJECTS

URECA (Undergraduate Research Experience on Campus) (09/2020 - Present)

- Offered only to students who have achieved excellent academic standing based on previous academic year GPA
- Front-end programming using HTML, CSS and Javascript to create a Google Chrome plugin to detect fake news related to COVID-19 with the use of NLP modeling
- Worked with a team of Professors and Masters students to create a full working prototype, along with product testing
- Wrote a full-length academic report of the whole project

Research Assistant (NTU) (03/2021 - 06/2021)

- Wrote PRAAT scripts to measure different aspects of a voice clip for a project on personality and language use
- Learnt the PRAAT scripting language from scratch to automate the extraction of features

ACADEMIC AWARDS

NTU Nanyang Scholarship (2019 - 2023)

Awarded to outstanding NTU freshmen pursuing undergraduate programmes, and recognizes students who excel academically, demonstrate strong leadership potential, and possess outstanding co-curricular records.

EXTERNAL ACHIEVEMENTS

Top 5 Team in Google Startups Hackathon (05/2022 - 06/2022)

Created a fully working web application to help users determine an optimal meetup location, based on a range of factors, including distance and purpose. Competed against 89 teams and emerged as one of top 5 teams, and gave a live pitch at Google HQ

Oratorical Society (Debate) Captain (05/2017 - 06/2018)

Managed team dynamics and ensured that all members had a good grasp on their debating skills as well as amicable relationships with each other, for the team to thrive and excel in competitions. Main coordinator of every training session.

Top 8th Team in Singapore International School's Debate League (2017)

Led the team to break into the quarterfinals of the competition. Communication between the coach and team members was facilitated through my position as the debate captain.