

Claudia Beth Ong

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EDUCATION

University of British Columbia

Sept 2023 – Jun 2024

Master of Data Science (Computational Linguistics)

- Master of Data Science - Computational Linguistics International Scholarship Awardee
- Relevant Courses: Computational Morphology, Machine Translation, Sentiment Analysis, Computational Semantics

Nanyang Technological University

Aug 2019 – Jul 2023

Bachelor of Science (Data Science and Artificial Intelligence)

- Honours (Distinction)
- Nanyang Scholar (2019-2023)
- Relevant Courses: Natural Language Processing (A-), Intelligent Agents, Information Retrieval (A-), Machine Learning (A+)

EXPERIENCE

Shopee Pte. Ltd.

Aug 2021 – May 2022

Data Science Intern

- 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
- Applied state of the art AI architectures for Machine Translation tasks from newly published papers in conferences such as ACL, EMNLP

Kuok (Singapore) Limited

May 2021 – Aug 2021

Data Science Intern

- Created a data visualization dashboard for different business units to load and visualize their data, automating the entire pipeline for all stakeholders
- Introduced AI tools with Python to match similar textual data with the use of fuzzy matching

ACHIEVEMENTS

Top 5 Teams in Google Startups Hackathon

May 2022 – Jun 2022

- Constructed a working web application for route planning in group travel, adapting the map and distance features according to distance and user's interest to enhance the flexibility and convenience in organizing social events
- Shortlisted as the top 5 teams of Google Start-up Hackathon 2022 out of 89 teams, and delivered a live pitch at Google Singapore Headquarters

PROJECTS

Graduate Research Assistant (UBC)

Dec 2023 – Present

- Obtained data from online sources with webscraping tools and performed cleaning to create a large database of 10,000 news articles
- Applied computational tools for linguistic analysis of the change of the definition of words with time

Metapro 2.0

Aug 2022 – Mar 2023

- Applied programming tools to generate a custom metaphor dataset to be used for metaphor understanding
- Worked with a post-doctoral fellow to publish an [academic paper](#) about the project

URECA (Undergraduate Research Experience on Campus)

Aug 2020 – Jun 2021

- Offered only to students who have achieved excellent academic standing
- 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 Master's students to create a full working prototype, along with product testing, and wrote an academic report

Research Assistant (NTU)

Mar 2021 – Jun 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
- Worked with PhD student and Professor from the Department of Psychology to analyze voice data

ACADEMIC AWARDS

Master of Data Science - Computational Linguistics International Scholarship

- Assessed based on academic excellence, language/linguistic background, and financial need.

NTU Nanyang Scholarship

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

TECHNICAL SKILLS

Programming Languages: Python, R, Java

Frameworks and Libraries: Python: pandas, Altair, scikit-learn, Tensorflow, Keras, Huggingface — R: ggplot2, stats

Databases: PostgreSQL, MongoDB

Shell Scripting: Bash, Unix

Version Control: Git, Github

Cloud Computing: Google Cloud VM, VMWare **Languages:** English, Chinese, Japanese (Limited)