

# Yong Long Tan, MSc

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[LinkedIn](#) ■ [GitHub](#) ■ [Portfolio](#)

A Malaysian Chinese recent MSc graduate in Computer Science from Seattle University with a focus on Data Science. Participated in Kaggle competitions related to Natural Language Processing and a dedication to continuous learning in machine learning. Eager to apply academic knowledge to real-world challenges. Demonstrated leadership, strong work ethic, and a collaborative approach that values diverse perspectives.

## Key Skills

- Proficient in programming languages: Python, C/C++, Java, SQL, JavaScript, and PHP; quick to adapt to new technologies.
- Experienced in web development using Django, HTML/CSS, and RESTful API integration.
- Experienced in deploying machine learning models with PyTorch, TensorFlow, scikit-learn, and Hugging Face.
- Skilled in data processing using Pandas, NumPy, and PySpark.
- Proficient in data visualization with Matplotlib and Tableau.
- Familiar with Git version control, Unix/Linux, and Agile methodologies.
- Integrated and utilized advanced APIs, including OpenAI API.

## Experience

**Seattle University, Computer Science Department — Seattle, Washington, USA**

**01/2023 – 06/2023**

**Teaching Assistant, Refactoring & Software Design**

- Reduced the workload by 15% through comprehensive grading of homework assignments/papers, providing detailed feedback, and addressing student queries.
- Enhanced course material to reinforce key concepts.

**Seri Omega Private & International School — Senai, Johor, Malaysia**

**08/2016 – 11/2017**

**Resident Assistant**

- Managed a residence housing seven students, fostering a supportive community.
- Offered counseling to students facing academic or personal challenges, resulting in a significant increase in student satisfaction and retention rates.

## Education

**Machine Learning Specialization** — Stanford University & DeepLearning.AI on [Coursera \(Online\)](#)

**Master of Science in Computer Science (Data Science Specialization)** — Seattle University, Seattle, WA; CGPA 3.64

**Bachelor of Science in Computer Science** — Seattle University; CGPA 3.88

**Associate of Science** — Seattle Central College, Seattle, WA; CGPA 3.92

## Projects

**Conversational AI Chatbot**

**06/2023 – Present**

- Developed an interactive AI chatbot using the Django framework and OpenAI's GPT-3.5 Turbo
- Managed user information securely and worked on improving the chatbot's capabilities.

**A Framework for Abstractive Summarization of Conversational Meetings**

**01/2023 – 03/2023**

- Handled data preprocessing, converting annotated text for machine learning models.
- Utilized the OpenAI Whisper model for transcription and the BART (Bidirectional and Auto-Regressive Transformers) model for abstractive summarization.
- Developed Django web interfaces and integrated transcription and summarization models.

**Satchl Loyalty Program Application**

**09/2021 – 06/2022**

- Collaborated on a student verification system using MSAL, leveraging Azure Active Directory.
- Engineered PHP APIs for vendor information including location, hours, and loyalty status.
- Developed backend API endpoints for vendor management, using databases and JSON.