

# Yong Long Tan, MSc

tanyl15@hotmail.com ■ Seattle, Washington, USA

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

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A Malaysian Chinese MSc graduate in Computer Science from Seattle University, specializing in Data Science. Engaged in Kaggle competitions in Natural Language Processing with a commitment to ongoing learning in machine learning. Keen to apply academic insights to real-world problems and to contribute as a Software/Data/ML engineer. Proven leadership, robust work ethic, and a team-oriented approach valuing diverse viewpoints.

## Key Skills

- Proficient in programming languages: Python, C/C++, Java, SQL, JavaScript, and PHP; quick to adapt to new tech.
- 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.

## Education

<b>Machine Learning Specialization</b> Stanford University & DeepLearning.AI on <a href="#">Coursera (Online)</a>	<b>08/2023 – 09/2023</b>
<b>Master of Science in Computer Science (Data Science Specialization)</b> , CGPA: 3.64 Seattle University — College of Science & Engineering	<b>09/2021 – 06/2023</b>
<b>Bachelor of Science in Computer Science</b> — Seattle University, CGPA: 3.88	<b>09/2020 – 06/2022</b>
<b>Associate of Science</b> — Seattle Central College, CGPA: 3.92	<b>04/2018 – 06/2020</b>

## Experience

<b>Seattle University, Computer Science Department</b> — Seattle, Washington, USA <b>Teaching Assistant, Refactoring &amp; Software Design</b> <ul style="list-style-type: none"><li>• Reduced the workload by 15% through comprehensive grading of homework assignments/papers, providing detailed feedback, and addressing student queries.</li><li>• Enhanced course material to reinforce key concepts.</li></ul>	<b>01/2023 – 06/2023</b>
<b>Seri Omega Private &amp; International School</b> — Senai, Johor, Malaysia <b>Resident Assistant</b> <ul style="list-style-type: none"><li>• Managed a residence housing seven students, fostering a supportive community.</li><li>• Offered counseling to students facing academic or personal challenges, resulting in a significant increase in student satisfaction and retention rates.</li></ul>	<b>08/2016 – 11/2017</b>

## Projects

<b>Conversational AI Chatbot</b> <ul style="list-style-type: none"><li>• Developed an interactive AI chatbot using the Django framework and OpenAI's GPT-3.5 Turbo</li><li>• Managed user information securely and worked on improving the chatbot's capabilities.</li></ul>	<b>06/2023 – Present</b>
<b>A Framework for Abstractive Summarization of Conversational Meetings</b> <ul style="list-style-type: none"><li>• Leveraged OpenAI Whisper for transcription and BART (Bidirectional &amp; Auto-Regressive Transformers) model.</li><li>• Preprocessed data for ML models and achieved a 139.6% summarization improvement over the BART base model using ROUGE-LSUM.</li><li>• Developed Django interfaces for seamless integration of transcription and summarization.</li></ul>	<b>01/2023 – 03/2023</b>
<b>Satchl Loyalty Program Application</b> <ul style="list-style-type: none"><li>• Collaborated on a student verification system using MSAL, leveraging Azure Active Directory.</li><li>• Engineered PHP APIs for vendor information including location, hours, and loyalty status.</li><li>• Developed backend API endpoints for vendor management, using databases and JSON.</li></ul>	<b>09/2021 – 06/2022</b>