Jeff Tan | Mobile No.: 9661 6131 | Email: Jefftan913@gmail.com |
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Summer Internship Availability: Jun 2024 – Aug 2024 (12 Weeks)

EDUCATION

Nanyang Technological University, Singapore   Aug 2021 – May 2025
Bachelor of Computer Science
- Expected Honours (Distinction), Current CGPA: 4.15/5.00

ACADEMIC PROJECTS/ HACKATHON PROJECTS

Angelhack, Singapore   May 2023 – June 2023
HackSingapore National Hackathon – Ediplants a web mobile application
- Frontend is built with React, Next.js and tailwind CSS
- Backend is built with Next.js
- Supabase is used for the database
- Deployed through vercel
- Applied web development and software engineering skills
- Collaborated using GitHub

Nanyang Technological University, Singapore   Jan 2023 – May 2023
Second Year Project – RecoFlats a web application
- Built using React
- Applied software engineering concepts
- Coded in typescript, HTML and CSS

Nanyang Technological University, Singapore   Aug 2022 – Dec 2022
Second Year Project – MOBLIMA Consoled based application for online booking and purchase of movie tickets
- Applied object-orientated programming and concepts
- Learnt to do documentation for Java classes
- Coded in Java

Nanyang Technological University, Singapore   Jan 2022 – May 2022
First Year Project – Predict how long a YouTube video is trending based on its attributes
- Learnt to deal with a large dataset and clean it
- Included machine learning techniques such as random forest, multilayer perceptron and visualising trees
- Coded in Python
- Collaborated using GitHub

WORK EXPERIENCE

DSO National Laboratories   Aug 2023 – Dec 2023
AI Intern
- Utilized Python for developing and coding the AI agents' behavior learning algorithms.
- Designed simulation environments for AI agents to interact with and learn from.
- Applied analytical skills to optimize and fine-tune the self-learning systems.
- Created intelligent solutions that autonomously program AI agents, eliminating manual coding.
- Gained proficiency in AI and reinforcement learning concepts through practical application.
- Contributed to the intelligentization of systems with potential civilian and military applications.

Alpsoft Pte Ltd   July 2022 – Feb 2023
Software Tester
- Tested new features of application to meet quality standards
- Identified and reported any bugs or issues to development team
- Collaborated with developers and stakeholders to ensure timely resolution of issues
- Updated documentation about application, including user manuals and training materials
- Participated in agile development processes and provide feedback to improve development process
- Utilized various testing tools mond software to streamline testing process
- Performed debugging to isolate issues and identify root causes
- Worked with cross-functional teams to make sure software is reliable, stable, and meets user requirements
- Monitored and evaluated effectiveness of testing strategies and procedures, and make recommendations for improvements

LEADERSHIP / CO-CURRICULAR ACTIVITIES

• **NTU-Hall 2, Vice President (Hall Orientation)**	Aug 2022 – Aug 2023
• **NTU-Hall 2, _Chief Group Leader_ (Hall Orientation)**	Aug 2021 – Aug 2022
• **NTU Union Orientation Committee, _Assistant Group Leader_**	Aug 2021 – Aug 2022
• **NTU Welfare Service Committee, _Member_ (Friends of Childrens)**	Aug 2021 – Aug 2022

ACHIEVEMENTS

HackSingapore 2023 | Nationwide Hackathon (First Runner Up)

• HackSingapore is an annual national hackathon event that brings together talented individuals to address real-world challenges using emerging technologies.
• As someone participating in my first hackathon, I had the privilege of being part of a dynamic team of five that developed EdiPlants, a mobile app focused on sustainable food production. EdiPlants aims to assist both novice and experienced plant enthusiasts in cultivating their own food in urban environments such as balconies, rooftops, and community gardens.
• This experience marked a significant milestone for me as it was my first-ever hackathon, allowing me to immerse myself in the exciting world of collaborative problem-solving and innovative technological solutions.
• For more details about our project, you can find our code and documentation on GitHub: https://github.com/rivenbryan/ediPlantsv2

SKILLS

Languages: Proficient in English and Chinese, Conversational in Japanese

Software Programming: Python, C++, Excel Visual Basic, Javascript, Java, Microsoft Office, Typescript, HTML, CSS,SQL

Software Application: Drupal, Docker, PyCharm, PyTorch, React, JupiterLabs, Vercel

Hobbies: Cooking, Gym, Reading, Watching Movies