

Joey Tan

Penultimate Student at SMU, Aspiring Project Manager

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 joey-tan-zuyi

 jeezusplays

 jeezuscode

Experience

Singapore University of Social Science

Engineer

2023-05 - 2023-11

- Manage and coordinate several project tasks involving a wide range of technologies, including Python 3.8.10, Ruby, Jekyll, Git, and Jupyter Lab.
- Assisted in developing command-line interface actions using packages, allowing for streamlined configuration management, directory scaffolding, and encryption/decryption actions for enhanced security.
- Proactively employed coding defensively and followed best practices, ensuring the robustness and reliability of deliverables.

Temasek SkillsFuture Academy

2021-03 - 2021-10

DevOps Teaching Assistant

- Delivered lesson materials on Python, Microsoft Azure Fundamentals, Terraform, and Ansible, ensuring effective knowledge transfer and skill development among students.
- Organized class materials, summarizing daily lessons to enhance clarity and comprehension for students.
- Played a key role in troubleshooting technical issues, resolving 80% of the installation and coding challenges faced.
- Actively collaborated with the Lecturer weekly to review student concerns, identify areas of improvement, and brainstorm solutions.

Corsiva Lab

2020-07 - 2020-12

Web Development Intern

- Developed dynamic websites using ASP.NET C#, HTML, and CSS, ensuring seamless functionality and user experience.
- Leveraged Microsoft Azure SQL for optimized and customized databases.
- Meticulously documented projects, facilitating smooth handover and comprehensive understanding.
- Maintained records of scope, milestones, and technical specifications for effective collaboration and knowledge transfer.
- Collaborated with cross-functional teams, delivering web projects within tight deadlines.
- Demonstrated multitasking and prioritization skills, achieving high-quality results while managing competing demands.

Education

Singapore Management University

2021-08 - 2025-05

Information Systems

Bachelor of Science

3.45 / 4.0

- Ngee Ann Kongsi Scholar (2023)
- Vice-President, SMU eSports
- Education Director, Coders Assembly
- Received 2023 VMWare Tanzu Award for Enterprise Solution Management (IS214)
- Teaching Assistant for IS214 AY23/24

Temasek Polytechnic

2018-04 - 2021-05

Information Technology

Diploma with Merit

3.90 / 4.0

- Director's List (2019 - 2021)
- Winner, 2019 PolyFinTech100 API Hackathon, InsureTech Category
- Shortlisted Participant, Tech For Good Social Innovation Challenge 2019 - Member of Informatics & IT Studies Club

Projects

Mobile Application for the Visually Impaired

Shortlisted and showcased to the public in Tech For Good 2019

- Led a small team to develop an application designed to assist visually impaired individuals in safely crossing traffic junctions
- Implemented image classification techniques and utilized Tensorflow Lite and Google Cloud Console to train an Artificial Intelligence model for accurate detection and guidance.
- Demonstrated strong leadership skills, decision-making abilities, and problem-solving capabilities throughout the project lifecycle.

AI-enabled Insurance Website

InsureTech Category Winner for 2019 PolyFinTech100

- Led the development of an Angular website targeting millennials, aimed at helping them find suitable insurance agents through an AI model.
- Incorporated and trained the AI model using a combination of fieldwork data collected and data provided by the mentor.
- Developed and executed project plans, setting clear objectives, timelines, and deliverables for the team to achieve project goals.

Computational Program to search for Viral Species Jump

Solo A*STAR Project that was awarded Huawei International Project Prize (Top 3 Outstanding Major Project Students)

- Independently analyzed and studied DNA sequencing utilizing a dataset provided by A*STAR, effectively identifying patterns and insights.

- Tested and applied the A* Pathfinding Algorithm to determine possible mutations within a DNA sequence, leveraging computational techniques for accurate analysis.

- Visualized the algorithm in network and subgraphs, creating intuitive representations of the DNA sequencing and mutation patterns for enhanced understanding.

References

Dr. Edirisinghe EM Nalaka S

Deputy Director, Temasek Polytechnic

Mr. SankaraRajulu Sundara Rajulu

Course Chair, Temasek Polytechnic

Awards

VMWare Tanzu Award

2023-05-01

VMWare Tanzu

Top Project Group for 2023

Enterprise Solution Management

Edusave Skills Award

2021-12-01

Temasek Polytechnic

Top 10% of graduating cohort and

have demonstrated excellent

professional and soft skills

throughout the course of study, and

good conduct.

Most Transformative Award

2019-07-01

Prudential

Winner for InsureTech Category for

2019 PolyFinTech100 API

Hackathon