NIGEL TEO

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EDUCATION

National University of Singapore (NUS)　　　　　　　　　　**Aug 2021 – Present**

Bachelor of Computing in Computer Science

- **Programming Coursework:** Software Engineering, Networks, Data Structures & Algorithms, AI
- **Expected Graduation:** December 2025

Tembusu College　　　　　　　　　　　　　　　　　　　**Aug 2021 – Apr 2024**

- The Ngee Ann Kongsi Residential College Scholarship (AY23/24)

TECHNICAL SKILLS

- **Programming Language:** Python, Java, Javascript, Typescript, React JS, C#, C, SQL, HTML, CSS
- **Data Visualisation Software:** Microsoft Power BI

PROJECTS

AI Job Recommender　　　　　　　　　　　　　　　　　**Oct 2024 – Jan 2025**

Natural Language Processing (1120-DS000-MSA-0234)

- Built a scalable AI-powered job recommender system using a Two-Tower Embedding Model using contrastive learning, FAISS indexing and cosine similarity for accurate resume-job matching.
- Implemented job-querying and ranking system for any input resume.

Healthier SG Admin Repository (HSAR)　　　　　　　　　**Jan 2024 – Jun 2024**

Synapxe

- Designed and built a full-stack feature from aimed at streamlining the resolution of erroneous patient records by providing internal engineers with a dashboard interface to help troubleshoot issues
- Collaborated with the UI/UX team to create visually appealing interfaces
- Authored comprehensive documentation for the feature, including sequence diagrams
- Technologies Used: React JS, Typescript, C#, MSSQL, Figma

Protein Database　　　　　　　　　　　　　　　　　　**Sep 2023 – Nov 2023**

Introduction to Introduction to Computational Biology (CS2220)

- Enabled users to search for specific proteins and protein interactions, with sorting and filtering functions
- Implemented navigation across different sections of the website.
- Technologies Used: React, Next.js, Material-UI, Planetscale for data storage (database as a service)

WORK EXPERIENCE

Enterprise Application & Engineering Intern (Developer)　　**Feb 2025 – Present**

KPMG

- Increased understanding of building with technical stacks, including C#, MS SQL, Azure DevOps, and CI/CD
- Acquired hands-on experience in deploying, improving and managing CI/CD pipelines, and deploying scalable solutions.

Software Engineering Intern, Synapxe

Jan 2024 - Jun 2024

Synapxe

- Gained proficiency in building end-to-end applications, from requirements gathering and frontend design to backend development and deployment.
- Gained practical experience with the software development life cycle (SDLC), encompassing all stages from development to deployment and maintenance of commercial-level applications

Human Resources Assistant, Frasers Hospitality

Jun 2023 - Aug 2023

Frasers Hospitality

- Developed compelling data visualizations using Microsoft Power BI to illustrate comprehensive headcount statistics
- Expertly consolidated and managed data from multiple properties worldwide, strengthening global workforce analysis

Intern Web Developer, Cognotiv Pte Ltd

Dec 2021 - Jan 2022

Cognotiv Pte Ltd

- Cooperated with a team to make changes and alterations to the frontend based on specific design specifications
- Helped to achieve a consistent look and visual theme across the website by designing the wireframes ensuring uniform fonts and layout

CO-CURRICULAR ACTIVITIES

Publicity Director, NUS Rovers

Jan 2024 - Dec 2024

National University of Singapore

- Collaborated with a team to design and distribute engaging publicity materials, to maximize reach and engagement in the NUS community
- Utilized social media platforms and other channels to promote hikes and events, enhancing the club's visibility

Tancho House Captain

Sep 2022 - Apr 2023

Tembusu College

- Led a team of 10 to organize engaging and successful events for Tancho House, fostering community spirit and participation
- Implemented comprehensive event plans, including budgeting and marketing strategies
- Improved team collaboration and communication by facilitating regular meetings and promoting a supportive environment

tStudios Head

Jan 2022 - Dec 2023

Tembusu College

- Coordinated a team to organize events such as film walks, enhancing the skills and engagement of college residents
- Supervised the loaning of camera equipment, ensuring proper usage and maintenance for club members
- Mentored volunteers to photograph college events, ensuring comprehensive coverage and high-quality images

INTRESTS

- Photography, Floorball, Travelling