

# 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 (I120-DS000-MSA-0234)*

- Spearheaded the building of 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.
- Technologies Used: Python, PyTorch, pandas

### Healthier SG Admin Repository (HSAR)

Jan 2024 – Jun 2024

*Synapse*

- Built and deployed a full-stack feature to streamline the resolution of erroneous patient records via an internal dashboard.
- Empowered Level 2 engineers to independently verify records without database access, reducing routine escalations.
- Documented the feature extensively with sequence diagrams and technical guides for future maintenance.
- Technologies Used: React JS, Typescript, C#, MSSQL, Figma

### Protein Database

Sep 2023 – Nov 2023

*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.
- Attained practical experience with the software development life cycle (SDLC), encompassing all stages from development to deployment and maintenance of commercial-level applications.

**Software Engineering Intern, Synapxe****Jan 2024 – Jun 2024***Synapxe*

- Collaborated with cross-functional teams through agile sprints, ensuring proper deployment of internal healthcare solutions.
- Delivered production-ready features with automated builds and deployments via Azure DevOps pipelines.
- Improved incident resolution efficiency by developing a no-touch database dashboard, empowering L2 engineers with real-time, actionable insights while minimizing manual intervention and reducing operational overhead.

**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**

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**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, providing comprehensive coverage and high-quality images.

**INTERESTS**

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- Photography, Floorball, Travelling