

# DEXTER TAN

8484 8100 • tandexter98@gmail.com • www.linkedin.com/in/tan-dexter

## TECHNICAL SKILLS

---

- Programming Languages: Python, JavaScript, C, C++
- Web Development: React, Material-UI, Bootstrap
- Database: PostgreSQL, SQL
- Tools & Packages/Frameworks: Git, Github, NumPy, pandas, BeautifulSoup, NLTK, Scikit-learn
- Web Analytics: Google Analytics, Google Tag Manager
- SEO Techniques: Utilized Google SEO best practices to enhance website visibility and ranking
- Testing: System Testing with Cypress, Unit Testing with Jest
- Proficient in unit testing and system testing for code quality, maintainability, and functionality
- Utilized Git for version control to facilitate collaboration and code management
- Familiarity with CI/CD pipelines for automated testing and deployment

## PROJECTS

---

### StudyPal - Study Website

May 2023 - Aug 2023

- Developed and designed a study website using React, Material-UI, and Bootstrap, following SWE best practices to ensure clean and scalable code
- Implemented Google Analytics and Google Tag Manager for improved website analytics and SEO performance
- Performed thorough unit testing with Jest and comprehensive end-to-end system testing with Cypress to validate functionality, responsiveness, and user experience of website
- Integrated CI/CD pipelines to automate testing and deployment process, enabling faster and more reliable releases

## EXPERIENCE

---

### NUS School of Computing, Teaching Assistant

Aug 2023 - Present

- Led engaging tutorial sessions, offering comprehensive assignment guidance and programming insights. Nurtured students in art of crafting organized, documented, and elegant code, fostering a culture of readability and long-term maintainability

## EDUCATION

---

### National University of Singapore

Jul 2022 - Present

### Bachelor of Engineering (Computer Engineering)

- Honours (Highest Distinction)
- Expected date of graduation: May 2026

## COMMUNITY SERVICE

---

### Hwa Chong Interact Club, Member

Jan 2017 - Aug 2018

- Collaborated with RDA (Riding for the Disabled Association) to serve children with various disabilities weekly, improving physical and mental well-being
- Recognised as best interactor amongst 50+ students in club in 2018

## **EXTRA CURRICULAR ACTIVITIES**

---

**Logistics-In-Charge, National Healthcare Medical Symposium (NHMed)**

**Jan 2017 - Aug 2018**

- Oversaw 250+ students across Junior Colleges and polytechnics during event, and liaised with Yong Loo Lin School of Medicine (YLLSOM), SingHealth and relevant schools
- Printed posters and other promotional materials for 10+ groups alongside acquiring and handling logistics for activities throughout event, and assigned duties and responsibilities to members of main and sub-committees