

# HELLO

DEREK ANAS, SINGAPORE

27.05.1994

REKANAS@GMAIL.COM

+65 8511 0424

[DEREKSANS.ME](https://derekans.me)

[GITHUB.COM/JDANAS](https://github.com/jdanas)

## PROFILE

Research Engineer II at NTU building AI-driven, interactive digital tools. Advocate for open-source LLMs, scalable web experiences, and all things TypeScript.

## PROFESSIONAL EXPERIENCE

**NANYANG TECHNOLOGICAL UNIVERSITY (NTU-CCDS)**

**RESEARCH ENGINEER II**

Shipped MazeMate, a 3D gamified DSA platform with a fine-tuned OpenAI assistant and RAG-powered knowledge base, built in React.js and TypeScript. Developed AI/ML models for real-time risk forecasting, crew well-being monitoring, and decision-support tools for maritime safety.

**SOFTWARE ENGINEER @ SPH MEDIA**

**2019–2024**

Revamped magazine websites using React.js for modern, dynamic Web 2.0 experiences, improving user engagement. Implemented server-side rendering with the CUE system to boost performance and accelerate content delivery.

**CAMPAIGN MGR / DEV @ TECKWAH INDUSTRIAL**

**2017 – 2019**

Built advanced digital solutions, including cross-media campaigns (XMPie VDP), e-commerce platforms, and Web-to-Print systems using PHP, Python, and AngularJS.

**FULL STACK DEVELOPER @ FLAVA DESIGN**

**2014–2017**

Delivered WordPress & Drupal full-stack projects with custom CMS/CRM features using Codelgniter, developed mobile apps with Appcelerator, and designed branding, logos, and UI layouts. Portfolio: [flava.sg](https://flava.sg)

**(RESEARCH ENGINEER II)**



## EDUCATION

DE LA SALLE UNIVERSITY

2010 – 2014

BACHELOR OF SCIENCE IN  
INFORMATION TECHNOLOGY

## KEY SKILLS

- AI & Machine Learning
- Computer Vision
- Fine-tune GGUF models
- Typescript / React
- Design Systems
- AWS Cloud Practitioner
- AWS Bedrock Gen AI
- Terraform
- Dockerize Container
- UX/UI Figma

## REFERENCE

**PROF. YUEN KUM FAI**

ASSOC PROFESSOR, NTU CEE

+65 9651 6841

[KUMFAI.YUEN@NTU.EDU.SG](mailto:kumfai.yuen@ntu.edu.sg)