Marcus Ng

Full-Stack Web Developer

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Linkedin | GitHub | Portfolio

EDUCATION

Singapore University of Technology and Design

Computer Science and Design Bachelors of Engineering, Honors   Sep 2021 - May 2025

EXPERIENCE

PRLGL | Founder   March 2024 - Present

Business and Tech development of Craft by prlgl (startup), a regTech and legalTech Product for non-legal teams in SMEs using LLMs. MVP validated by board of directors and VPs from Temasek.

IMDA | SG Digital Young Leader Programme   April 2023 - Present

The SG Digital Young Leaders program cultivates top students from autonomous universities with industry attachments and networking opportunities, aiming to develop future-ready skills for success in the digital realm.

Central Provident Fund Board (CPFB) | Artificial Intelligence Intern   Sep 2023 - Dec 2023

- Spearheaded UX and Full-Stack Web Development for proprietary Gen AI application
- Testing and integration of OpenAI & Gemini API with Microsoft Azure
- Backend LLM integration using FastAPI and PyTorch
- Setup of local environment using PostgreSQL and worked with Google Cloud Storage Buckets

SUTD | Undergraduate Student Researcher   March 2024 - Present

- Data Visualisation and UX Development for SUTD DEEP Lab Research Project

SUTD | Software Engineer Research Assistant   March 2024 - Present

- Full-Stack Web Development for proprietary software to detect carbon emissions
- Hands-on experience with PostgreSQL database and Heroku Cloud PaaS (Platform-as-a-Service)

SKILLS

Programming Languages:	JavaScript, TypeScript, Python, Java
Libraries/Frameworks:	React, Material UI, PyTorch, FastAPI, Django, Streamlit, Flask, Shadcn, Next.js, TailwindCSS, Vanilla CSS, Express
Tools / Platforms:	Vite, Figma, FigJam, Canva
Databases:	PostgreSQL, Firebase, MongoDB

PROJECTS / OPEN-SOURCE

ClauseGenie, Temasek x SUTD GenAI Hackathon   *React, Django, Firebase and Figma*

- Legal document management for procurement teams in Temasek, using GenAI (Closed-source)
- Conducted user research with Temasek Procurement Director
- UI/UX Wireframing from low-to-high fidelity prototypes
- Iterative usability testing on Temasek Procurement Team
- In-charge of entire front-end development of MVP using React and vanilla CSS for styling
- Prompt Engineering on Django (OpenAI) backend

Cubicle, DSTA BrainHack CODE_EXP Finalist Round   *Progressive Web App, FERN Stack*

- Hybrid gamification on a social platform, both mobile and web responsive (Progressive Web App)
- UI/UX Design and Frontend Development using Figma and React
- Backend integration using Express and Firebase

CERTIFICATIONS

- Python for Data Science and Machine Learning - **Udemy**
- Git Essential Training - **LinkedIn**
- AI for Industry - **AI Singapore**
- Advanced Prompt Engineering Techniques - **LinkedIn**

HONORS & AWARDS

DSTA Brainhack Code_EXP Finalist

IMDA SG Digital Young Leaders Award

Jyoti and Aditya Mathur Student Service Award