Moe Thu

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EDUCATION

Nanyang Technological University, B.S Computer Science, CGPA: 4.64　　　　**May 2021 — 2025**
Exchange Semester at Northeastern University for Computer Science　　　　　　　　*Dec 2023*

EXPERIENCE

Software Data Engineer Intern - Advanced Micro Devices (AMD)　　　**Jan 2024 — Aug 2024**
- Constructed an ETL pipeline to optimize **real-time streaming data processing and analysis**; saved executives **90% of their data review time** and enabling **data-driven decision making**
- Enhanced **scalable data quality and management**, directly improving data cleaning processes and model accuracy for predictive analytics; improved the speed of forecasting models up to **10x**
- Streamlined diagnostics through automation, resulting in a **7.5-hour time savings** each week.

Software AI Engineer Intern - Central Provident Fund (CPF)　　　**May 2023 — Aug 2023**
- Integrated a ChatGPT variant into a chatbot with open-source LLMs (LLaMA); enhanced user interaction and **reduced manual document search time by 2.3x**
- Collaborated with multiple cross-functional artificial intelligence (AI) projects at CPF, which resulted in substantial **man-hour savings by 83% (from 60 to 5 minutes per day)**
- Engineered internal tooling for low code prompt engineers with a React frontend and Jupyter notebooks; speed of testing and iteration on prompts was **increased by an estimated 60%**

FullStack Engineer Intern - Promisphere Official (Backed by DBS)　　　**May 2022 — Aug 2022**
- Built and established full cloud infrastructure and systems; established CI/CD Pipelines for efficient deployment in cloud infrastructure, **reducing deployment time by 77%**.
- Executed test-driven development on a Full Stack Web Application by conducting Unit testing, Integration Testing, and E2E Testing; **authored over 50+ tests**
- Initiated the development of a dApp on blockchain soulbound tokens using ERC-721 Protocol, **2-week timeframe**; articulating project milestones and outlining a roadmap for product expansion

PROJECTS (LINKS WORK)

Don't Paiseh | *FastAPI, OpenAI API, MongoDB, NextJS, Git*　　　　　　　　**Jan 2024**
- **Innovative Application** that present that presents users with social questions and answers
- Deployed a full end-to-end mobile first WebApp in **24 hours** with a team of four, led frontend

Rizz-Umé | *Telegram API, OpenAI API, Firebase, Node.js, Git, MongoDB*　　　　**Feb 2023**
- **Led a team of four** to develop a Telegram bot as a personal career consultant for students
- Deployed an **MVP in 48 hours** with swift authentication and database integration.

Smart Contract Developer | *IPFS, Solidity, Infura*　　　　　　　　　　**Dec 2023**
- Developed a feature using smart contracts to facilitate history collaboration and transparency
- Designed the permission management system to control user access and track document changes
- Created a platform that fosters a transparent and free environment for discussion and idea exchange, utilizing the security and decentralization features of blockchain

LEADERSHIP

Nanyang Technological University
- **Chief Group Leader**: Led a group of 90 students throughout a 3 day camp (SCSE Orientation), communicated with various stakeholders and subcommittee members
- **Director of Publicity, Blockchain@NTU**: Organised innovative technical events with industry stakeholders(e.g in collaboration with CoinBase), managed club socials and subcomittee
- **Hall X Chess President**: Recruited and mentored 7 members, elevating ranking to 3rd from 23rd

Technical Skills: Java, Python, C, SQL, PostgreSQL, JavaScript, Typescript, Solidity, HTML, CSS, Kafka, Spark, Snowflake, pandas, NumPy, Matplotlib, TensorFlow, ETL, Docker, AGILE, AWS, Azure, GIT, CI/CD