KALEB NIM

AI ENGINEER

+65 84953150

kaleb.nim@gmail.com

https://beacons.ai/kaleb_nim

https://github.com/Kaleb-Nim

EXECUTIVE SUMMARY

- Aspiring Data Scientist with is deeply passionate about building + deploying predictive models for real-world applications with a strong understanding of Machine Learning concepts.
- **Self-driven** individual enthusiastic to learn tech industry applications currently through **competing** in **hackathons and events**.
- Effective **communicator** through working with various people in multiple different hackathons, organizing workshops + competitions promoting AI literacy to polytechnic students and organizing performances for SP Guitarist.

Experience

- **A*STAR - Agency for Science, Technology and Research**   Mar 2023 - Current
  - **Development Scientist Intern**
    - Developed Early Warning Disruption Monitoring system for Supply Chain using NLP+LLM
    - Question Answer LLM Agent insights on what-if situation for Hydrogen Supply Chain optimization
    - Custom Knowledge-based LLM Retrieval, with Analytical visualizations

Activities (Hackathons)

- **POLYFINTECH 100 API HACKATHON 2023**   July 2023
  - Develop FinTech prototypes to address real-world problem statements
    - Built An infomercial (Video) generation system that utilizes a Custom large language model to automatically generate personalized and engaging 30-45sec videos based on user queries.

  Achievement: Champion team $2500

- **Batey Hackathon 2022**   12 Sep - 23 Sep 2022
  - Entrepreneurship Hackathon to kickstart business ideas
    - Built food recommender system using TensorFlow recommenders, deployed as a web application.

  Achievement: Gold award $2000

- **POLYFINTECH 100 API HACKATHON 2022**   Aug 2022
  - Develop FinTech prototypes to address real-world problem statements
    - creating a decentralised portfolio application using the Klaytn Blockchain, zero-knowledge protocols and Proof of Attendance NFTs

  Achievement: 1st Runner Up $1000

- **DSAC AI Makerspace Holiday Challenge 2021**   Dec 2021
  - Utilise one of the AI Bricks from AISG to create a practical solution
    - Implemented RPA script using TagUI to automate teacher/lecturer attendance taking on MsTeams.

  Achievement: Champion team

- **Fair Price Group (FPG) Fit Hack** Sep 2021
  - 3-day hackathon
    - Developed Web app to improve accessibility of "Share a textbook" operation. Key presenter for final pitch

Achievement: Top 10 Finalist

Extracurricular Activities/Leadership

- **SP Guitarist Vice-President** March 2022 - Present
  - Leads a team of 6 to plan and execute events for the CCA: SP Guitarist with around 40 members Responsibilities include but not limited to:
    - • Recruitment of new members • Organizing concert performance • Run weekly training sessions • Communicating between instructor and club officer • Improve
- **SPAI student chapter committee member** Feb 2022 - Present
  - Plan numerous AI-themed workshops and competitions to provide our members with the opportunity to expose themselves to AI-related content.
    - Contributions: • Plan python graphing workshop and competition for Year 1 students • Student Instructor for Day 2and Day 3 of the python graphing workshop • Freshman Orientation Program helper

TECHNICAL SKILLS

Programming Languages: Python • Typescript

Databases and Data Tools: • Pinecone • Supabase • MySQL • Microsoft SQL • Tableau

Softwares: GitHub • GitHub Desktop • Google Collaboratory • Google Cloud Platform • Docker • UiPath • Figma • Weights and Biases

Frameworks & Libraries: •OpenAI •LangChain •Spacy •Scikit-Learn • Pandas • Numpy • Seaborn • Plotly • TailwindCSS • Keras • Tensorflow • Streamlit •TagUI • HTML5 • CSS3 • Express.js • Bootstrap •Node.js

Education

Diploma in Applied Artificial Intelligence and Analytics April 2021-March 2024
Singapore Polytechnic • Singapore

• CGPA: 3.8

• Achieved Distinction for LC0855 Communicating for Project effectiveness and LC0861 Narrative Thinking.

Singapore-Cambridge GCE O Levels Jan 2017- Nov 2020
Evergreen Secondary School• Singapore
Grade:
Net L1R4 score: 5 • L1R5: 7

• Achieved A1 in Elementary Mathematics, Biology , Chemistry/Physics, Combined Humanities

PROFESSIONAL REFERENCES

Dr Qiu Zixuan (Wilson)
• Singapore Polytechnic • Senior Lecturer • +65 96899157 • qiu_zixuan@ichat.sp.edu.sg