LIM SHAO KIAT

shaokiat@gmail.com | Portfolio Website | GitHub | LinkedIn

EDUCATION

National University of Singapore
Bachelor of Computing in Computer Science
- 2nd Class (Upper) Honors
- Awarded SgIS Full-term Scholarship

SKILLS

Programming Languages
Python · JavaScript · TypeScript · Java · HTML · CSS

Libraries and Frameworks
OpenCV · Ultralytics · Angular · Pandas · Sci-kit learn · NodeJS · Kubernetes · Docker

Cloud Platforms and other Softwares
Google Cloud Platforms · AWS · IIoT· Tableau

EXPERIENCE

Micron Semiconductor Asia, *Data Scientist, Singapore*   *Jul 2022 – Present*
- Directed a Predictive Maintenance project for manufacturing tools by collaborating with stakeholders and applying machine learning models. Achieved impactful cost savings, and minimized downtime. Improved Manufacturing Availability by 0.4%, leading to significant cost savings. **(Python, Google Cloud Platforms, Sci-kit learn)**
- Led development efforts of a video analytics project utilizing object and anomaly detection, achieving potential annual savings of $2 million per year. **(YOLOv8, OpenCV)**
- Developed essential edge scripts on Raspberry Pi for anomaly detection project, significantly improving real-time monitoring capabilities. **(Python, Networking, IIoT)**

Angsana Technology, *Software Engineer, Singapore*   *Aug 2021 – Jul 2022*
- Collaborated as part of the core development team to build and deliver a project aligned with Maritime and Port Authority Singapore (MPA) specifications, facilitating the digitalization of bunkering operations. **(TypeScript, Python)**
- Spearheaded the implementation of a continuous integration pipeline, automating API and end-to-end tests using GitHub Actions to ensure seamless code commits. **(GitHub Actions, Playwright)**

PROJECTS

LeetGrindr | *Interactive Code Editor*   *Apr 2022 – May 2022*
- Facilitates real-time collaborative coding interviews with a shared code editor.
- Frontend client hosted on Vercel and backend server on Heroku. **(NextJS, Express, Redis, Socketlo)**

Astral Farm | *DeFi*   *Dec 2021 – Apr 2022*
- Led the development and deployment of smart contracts on Fantom and Cronos networks, contributing to the rapid growth of the platform, which reached a total value locked (TVL) of $2 million.
- Engineered and integrated ERC-20 compatible smart contracts with the ReactJS framework, enabling seamless user interaction with decentralized finance features across Layer 1 networks.

CERTIFICATIONS

Coursera
- Smart Analytics, Machine Learning, and AI on Google Cloud – *Issued: Aug 2023*
- Google Cloud Fundamentals: Core Infrastructure – *Issued: Aug 2023*

LEADERSHIP EXPERIENCE & ACTIVITIES

Micron Transport Committee, *Sub-Committee Member*   *Jul 2023 – Present*
- Actively participated in the planning and facilitation of company transport logistics, ensuring smooth transportation services for over 2,000 employees.