Louis Mineo

[PERSONAL ADDRESS REDACTED] | +65 98253933 | louismineo@gmail.com

Summary

- Computer Science graduate with prior experience in Finance and Analytics, eager to apply his skill sets across domains and develop innovative solutions.

Education

BACHELOR OF SCIENCE | SINGAPORE INSTITUTE OF TECHNOLOGY   AUGUST 2021 – APRIL 2025

- Bachelor of Science with Honours in Computer Science in Real-Time Interactive Simulations
  - Graduated with Honours with Merit.

DIPLOMA | SINGAPORE POLYTECHNIC   APRIL 2016 – APRIL 2019

- Diploma in Financial Informatics

Skills & Abilities

PROGRAMMING LANGUAGES

- TypeScript, JavaScript, C++, C, SQL, Python, Java, VBA, Kotlin, C#, HTML, CSS, VBA, Appscript.

DEVELOPMENT LIBRARIES

- React.js, Next.js, Express.js, Redux.js, Node.js, Sequelize.js, Redux.js, React Native, Babylon.Js, ImGUI, FMOD, Scikit, TensorFlow, PyTorch.

TESTING AUTOMATION LIBRARIES

- Selenium, Cypress, Playwright, Jest.

SOFTWARE

- Git, Docker, AWS, GCP, Firebase, Supabase, Directus, PostgreSQL, MongoDB, Tableau, Figma Word, PowerPoint, Excel.

COMMUNICATION

- Proficient in English (Spoken & Written)
- Able to converse in Mandarin / Chinese (Spoken)

LEADERSHIP

- Vice President of DFI Chapters
  - Tasked with organizing course centric events.
    - Freshman Orientation Program and Course Bonding Day.
  - Managing manpower and delegating tasks to members.

Working Experiences

JUNIOR CONSULTANT | MAVERICKS CONSULTING   **SEPTEMBER 2024 – APRIL 2025**
(SOFTWARE ENGINEER INTERN)

- Collaborated within multiple agile teams, while working on three long-term projects, developing robust-full-stack applications with significant deliverables.
- Developed a multi-repository RESTful full-stack applications using Typescript and Express.js encompassing a scalable backend and responsive web and mobile applications, using React frameworks.
- Developed multiple scripts for various phases in the file migration pipeline for a school organization to prepare for the next academic year.
- Developed and replicated multiple government website using Next.Js and Directus CMS for company's portfolio as they prepare for government tendered projects.
- Implemented unit tests via Jest and automated E2E tests using Cypress, Playwright and Appium for implemented features, improving code reliability and reducing feature delivery time.
- Led proposals for a modern revamp in User Interface for the mobile application that the company was developing.
- Led the implementation of aforementioned UIUX changes for mobile application.
- Created multiple confluence documentation on team's practices as well as high-level architecture diagrams for the specific projects.
- Demonstrated leadership by taking on the role of scrum master for a sprint, managing task priorities and preparing showcase to stakeholders.
- Self-learned AWS services and adopted best practices as a Full Stack Developer to optimize application performance and scalability.

3RD SERGEANT | SINGAPORE ARMED FORCES   **OCTOBER 2019 - AUGUST 2021**

- Managed a team of subordinates to maintain the day-to-day weaponry requirements of the unit.
- Organized weekly operational safety meetings and sharings by various members of the unit.

DIGITAL ANALYTICS ASSISTANT | AXA INSURANCE SINGAPORE   **SEPTEMBER 2018 - JULY 2019**

- Designed and maintained high-level dashboards to track digital marketing performance, monitor digital insurance product sales, and support daily decision-making across departments
- Analyzed A/B test results, uncovered trends, and provided actionable insights to stakeholders for improved business decisions.
- Developed scripts to automate data extraction and processing, enhancing efficiency and enabling complex calculations and visualizations.
- Implemented innovative solutions to overcome legacy software limitations using tools like R scripts.
- Onboarded and trained interns, fostering their understanding of data analysis and reporting.
- Conducted data quality checks to ensure accuracy and reliability for campaigns, partnerships, and website optimization initiatives.

Projects

MUTLI-PROFILE DIGITAL NAMECARD WITH EDITOR SYSTEM

- Designed full-stack web application using React and Typescript for social networking purposes as an alternative to physical name cards, featuring options to choose from multiple social profiles, as well as allowing users to edit specific name card pages.
- Utilized RESTful MVC architecture, employing Firebase's Firestore for NoSQL data storage as well as Cloud Storage for file storage.
- Currently revamping the project to utilize Directus CMS as an editor platform, Next.JS for server-side rendering for faster performance to name card page visitors, and employing Supabase for RDBMS storage and file storage buckets.

UNDERGRADUATE SOFTWARE ENGINEERING PROJECTS

- Created custom 2D & 3D C++ Game Engines within a team of undergraduates from different disciplines, while managing a tight time frame of 8 months for each game engine, for 3 years.
- Personally focused on graphical rendering libraries, UI/UX implementations and audio frameworks.

MACHINE LEARNING INVESTIGATION ON REASONS TO UNIVERSITY DROPOUTS

- Led a team of five on Machine Learning Module project to investigate the reasons on why students choose to not continue with their university studies.
- Delegated various hypothesizes for various demographics for team members to test and report their findings
- Utilized various libraries for data preprocessing prior to applying to our SciKit-Learn models to aid in our investigations.

ASEAN DATA SCIENCE EXPLORERS 2018

- Generated data-driven Visualizations with SAP, to solve underlying issues that every country in ASEAN can help and benefit in union.
- Finished 2nd for the National Qualifiers.

VARIOUS DATA ANALYTICS PROJECTS

- Utilized Tableau to convert raw data into useful business insights, as well as applied excel skills and programming skills to help provide business solutions for Liqui Moly.
- Utilized Microsoft Excel to create dashboards for a business case, applying Excel VBA programming to smoothen the process.
- Used Windows Visual Basic Application to create a program in Excel, as well creating macros for added efficiency in Excel.
- Learned Tableau visualizations and making of dashboards for added business intelligence.
- As well as using R to give data driven insights for a business case.

ACHIEVEMENTS

AWS CERTIFIED SOLUTIONS ARCHITECT – ASSOCIATE

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AMAZON WEB SERVICES

EXPECTED JUNE 2025

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OUTSTANDING SOLDER AWARD 2021

(24TH BATTALION SINGAPORE ARTILLERY)

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SINGPAORE ARMED FORCES

JULY 2021

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CERTIFICATE OF FIRST RUNNER UP

(ASEAN DATA SCIENCE EXPLORERS 2018)

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ASEAN FOUNDATION

SEPTEMBER 2018

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CERTIFICATE OF SERVICE, VICE-PRESIDENT

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DFI CHAPTERS, SIGNAPORE POLYTECHNIC

JUNE 2017 – JUNE 2018

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References

Mr Tan Horng-Ping, Ryan
Senior Lecturer
Singapore Polytechnic
96874181
tan_horng_ping@sp.edu.sg

Miss Evangeline Tan
Manager, Digital Commerce
HSBC Insurance Singapore
91798329
evangeline_tan@axa.com.sg