Louis Mineo

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PROFESSIONAL SUMMARY

Aspiring Computer Science undergraduate student with prior experience in Finance and Analytics, keen on applying his skill sets to learn more beyond his domain and create solutions.

EXPERIENCE

JUNIOR CONSULTANT (SOFTWARE ENGINEER INTERN)   Sep. 2024 – Apr. 2025
MAVERICKS CONSULTING

- Executed data migration for an educational institution and developed an all-in-one web and mobile application for real estate amenities, enhancing user experience for targeted market segments.
- Implemented a verification code feature for web and mobile applications during user registration, enhancing security for realty users.
- Executed unit tests using Jest and automated end-to-end tests with Cypress and Appium, resulting in enhanced code reliability and a reduction in feature delivery time.
- Led proposals for a modern revamp in User Interface for the mobile application that the company was developing.
- Spearheaded the implementation of the proposed UI/UX changes for the mobile application, enhancing user engagement and satisfaction.

3RD SERGEANT   Oct. 2019 – Aug. 2021
SINGAPORE ARMED FORCES

- Managed a team of subordinates to effectively meet the daily weaponry requirements of the unit, ensuring operational readiness and support for mission success.
- Organized weekly operational safety meetings and presentations by various members of the unit, fostering improved communication and enhanced safety awareness.

DIGITAL ANALYTICS ASSISTANT   Feb. 2017 – Jul. 2019
AXA INSURANCE SINGAPORE

- Designed and maintained high-level dashboards that enhanced digital marketing performance tracking and informed decision-making across departments, leading to improved oversight of digital insurance product sales.
- 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.
- Developed and implemented innovative solutions using R scripts to address legacy software limitations, resulting in improved system performance and enhanced user experience.
- Onboarded and trained interns in data analysis and reporting, enhancing their skills and contributing to improved team performance.
- Conducted data quality checks, resulting in enhanced accuracy and reliability for campaigns, partnerships, and website optimization initiatives.

PROJECTS

MULTI-PROFILE DIGITAL NAMECARD WITH MANAGEMENT SYSTEM

- Developing a digital name card for the final year capstone project, enhancing personal branding and professional presentation.
- Implemented RFID and NFC technology for name cards, enabling multiple profiles for professional, social, and alternative personas while prioritizing personal data privacy.

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.
- Focused on developing graphical rendering libraries, implementing UI/UX designs, and enhancing audio frameworks, resulting in improved user experience and application performance.

ASEAN DATA SCIENCE EXPLORERS 2018

- Developed data-driven visualizations using SAP, addressing critical issues across ASEAN nations and fostering collaborative benefits among member countries.
- Finished 2nd for the National Qualifiers.

DATA ANALYTICS
- 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.
- Utilized R to extract data-driven insights that informed strategic business decisions.

EDUCATION

SINGAPORE INSTITUTE OF TECHNOLOGY	Aug. 2021 – Apr. 2025

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

SINGAPORE POLYTECHNIC	Apr. 2016 – Apr. 2019

Diploma in Financial Informatics

SKILLS

Technical Skills

Highly Proficient in C and C++, with a focus on code optimization methodologies., Proficient in Typescript, JavaScript and Google Drive Suite's AppScript., Experienced in Full-Stack Web Application technologies and libraries: React.js, Express.js, Redux.js, Sequelize.js., Experienced in Mobile Application Development languages and technologies: React Native, Kotlin in Android Studio., Proficient in Data Engineering and Analytics technologies and programming languages: Tableau, Python, R, SQL, Microsoft Visual Basic for Applications (Excel VBA)., Proficient in Microsoft Office Applications (Word, PowerPoint, Excel)., Proficient in English (Spoken & Written)., Able to converse in Mandarin / Chinese (Spoken).

Languages

English, Mandarin / Chinese