

# Louis Mineo

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## Summary

- Current 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.

## Education

**BACHELOR OF SCIENCE | SINGAPORE INSTITUTE OF TECHNOLOGY** **AUG 2021 – PRESENT**

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

**DIPLOMA | SINGAPORE POLYTECHNIC** **APR 2016 – APR 2019**

- Diploma in Financial Informatics

**DIPLOMA PLUS | SINGAPORE POLYTECHNIC** **OCT 2016 – AUG 2018**

- Certificate in Software Programming and Applications

## Skills & Abilities

### TECHNOLOGY AND SOFTWARE KNOWLEDGE

- Highly Proficient in C and C++, with a focus on code optimization methodologies.
- Highly Proficient in Tableau.
- Proficient in Python, R, SQL, Microsoft Visual Basic for Applications (Excel VBA).
- Proficient in Microsoft Office Applications (Word, PowerPoint, Excel).
- Fundamental knowledge in Multi-Threading implementations via low-level Assembly and/or CUDA computations.

### 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.
  - Managing manpower and delegating tasks to members.
  - Collaborated with other courses for events.

## Projects

### 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.
- Personally focused on graphical rendering libraries, UI/UX implementations and audio frameworks.

### VARIOUS PYTHON PROJECTS

- Undertook several personal pet projects using python, prior to starting undergraduate studies.
- Focused on automation and web scraping.
- Projects are available for preview on <https://louismineo.github.io/>

### 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 2<sup>nd</sup> 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.
- As well as using R to give data driven insights for a business case.

## Working Experiences

### 3<sup>RD</sup> SERGEANT | SINGAPORE ARMED FORCES

OCT 2019 - AUG 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

FEB 2019 - JUL 2019

- Generating high-level Dashboards that are utilized day-to-day by employees of all departments.
- Teaching and onboarding of Interns
- Designing scripts to automate time-consuming data extraction.
- Analyze report findings and reporting insights to manager about results of certain A/B tests.

**DIGITAL ANALYTICS INTERN | AXA INSURANCE SINGAPORE****SEP 2018 - FEB 2019**

- Tasked to generate Dashboards that are specifically aimed to track digital marketing performance and efforts, as well as the performance of digital insurance products sold on site.
- Design and maintain dashboards and reports which provide actionable insights that help our internal stakeholders make important business decisions.
- Implemented new processes to help manipulate, process, alter, recalculate given data as a workaround to utilize data to create even more complex calculations and visualizations that are limited by legacy software. (i.e: R Scripts)
- Analyze and quality-check data to uncover trends and correlations impacting the effectiveness of digital efforts from short term advertising partnerships to new marketing campaigns and website redesigns.

**ACHIEVEMENTS****OUTSTANDING SOLDIER AWARD 2021****SINGAPORE ARMED FORCES****(24<sup>TH</sup> BATTALION SINGAPORE ARTILLERY)****JUL 2021****CERTIFICATE OF FIRST RUNNER UP****ASEAN FOUNDATION****(ASEAN DATA SCIENCE EXPLORERS 2018)****SEP 2018****CERTIFICATE OF SERVICE, VICE-PRESIDENT****DFI CHAPTERS, SINGAPORE POLYTECHNIC****JUN 2017 - JUN 2018****References**

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