**LIAN HEE HSIEN ZACHARY**

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**ACADEMIC QUALIFICATIONS**

**Singapore Management University (SMU) Aug 2021 to May 2025**

*Information Systems Undergraduate Majoring in Business Analytics and Digitalisation & Cloud Solutions*

* IS112: Data Management (2022)
* COR-IS1702: Computational Thinking (2022)
* IS217: Analytics Foundation (2022)

**WORK EXPERIENCE**

**F5 Feb 2021 to May 2021**

*Digital Marketing Intern*

* Worked with the ASEAN Account-Based Marketing team to pursue and gather leads for 6 Singapore and Hong Kong accounts in the Banking and Insurance Industries
* Responsible for collecting data on our external partners in order to identify the appropriate marketing approach to use and ensure our client’s buy-in for our services

**TECHNICAL SKILLS**

* **Languages & Frameworks:** Python (Sci-kit Learn, Matplotlib, Seaborn, Flask), SQL, NoSQL, HTML5, CSS, Javascript (Axios, Bootstrap), Vue, PHP, Docker, APIs
* **Tools:** Tableau, Anaconda, Jupyter, Figma, Microsoft applications, Adobe Creative Suite, Canva

**CERTIFICATIONS**

* Heicoders Academy (Professional): AI200: Applied Machine Learning
* Heicoders Academy (Professional): AI100: Python Programming and Data Visualisation
* Google Cloud Big Data and Machine Learning Fundamentals
* Google Cloud Fundamentals: Core Infrastructure
* Nanyang Polytechnic: Data Analysis with Excel

**COMPETITIONS & PROJECTS**

[**.Hack Enrichment Application Program (HEAP): HeresOurPlan**](https://github.com/HeresOurPlan) **Mar 2022 to Aug 2022**

* Self-learned and applied backend APIs while utilizing external applications
* Worked on backend functionalities to integrate databases

**Code for Cities Hackathon: Top 10 Aug 2022 to Sep 2022**

* Proposed the implementation of Quantum Computing to manage traffic and reduce travel times in smart cities

[**Ellipsis Tech Series Hackathon: Top 30**](https://github.com/kaniel98/ellipsis-hack) **Aug 2022**

* Proposed to tab on the existing microservices architecture (MSA) in Goldman Sachs’ existing services into frequently used eCommerce platforms within a span of 48 hours
* Worked on frontend functionalities to showcase a dashboard of our implemented features

**CO-CURRICULAR ACTIVITIES**

**Ellipsis SMU Computing and Information Systems Society Dec 2021 to Present** *Marketing Executive*

* Responsible for publishing content and circulating EDMs through various platforms under Ellipsis
* In Charge of collaterals for several largescale Ellipsis-run events such as SCIS Reunion, SCIS Day

**SCIS Freshmen Orientation Camp Metamorphosis 2022** **May 2022 to Aug 2022**

*Marketing Director*

* Led a team of proficient executives and worked with various departments to ensure the event runs smoothly
* Oversaw and experimented in video-editing, publicised and curated videos and collaterals showcasing the storyline, along with video montages of the event

**SMU .Hack** **May 2022 to Present**

*Member*

* Participated in SMU .Hack’s pioneer software development program - .Hack Enrichment Application Program (HEAP)

**SMU Business Intelligence & Analytics (BIA)**  **Dec 2021 to Present**

*Member*

* Participating in SMU BIA’s 8th Data Associate Program