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As a business analytics major in the NUS (NATIONAL UNIVERSITY OF SINGAPORE) school of Computing, I have a strong interest in software engineering. I am driven by a passion for using technology to drive innovation and improve business operations. Throughout my academic and professional journey, I have gained a strong foundation in programming, data analysis, and software development, and have honed my problem-solving skills through various projects and internships.

One such project that sparked my passion for software engineering was a school summer project in 2022 called "Orbital" where my teammate and I developed a software solution called "ReviewO" to efficiently simplify and automate the process of quickly reviewing online feedback, displaying the overall sentiment, and highlighting the five most frequently mentioned terms used to describe the product. The project not only enhanced my technical skills but showed me how software engineering can potentially be used to create solutions to help businesses solve problems. Orbital opened my eyes to the world of software development as the three-month long endeavor enabled me to experience the full lifecycle of a project.

Whilst working on Orbital, I was also interning at Zuellig Pharma Therapeutics as a data analyst. I had the opportunity to work with the large amount of sales data generated by eight countries daily. This experience enlightened me to the significance of making decisions based on data and the positive impact that organizations can make with accurate data. Additionally, it allowed me to quickly acquire the necessary skills for utilizing Firebase database technology in the backend development of my project 'ReviewO'.

In the previous semester, I decided to take on the role as a Project Manager in the NUS Google Developer's Student Club for a project called "Virtual Supermarket". I oversaw building the Ecommerce platform for a non-profit organization in Singapore called FoodBank. The aim was to build a platform where donors could choose the items they wished to donate to the FoodBank, just like how they would do on an Ecommerce platform like Amazon. I worked closely with a team of software engineers, key stakeholders in FoodBank and several university professors to complete the project. My extensive background in the field allowed me to easily comprehend the details of projects and effectively communicate with the technical team. My excellent communication, leadership and problem-solving skills have been instrumental in managing projects on-time, within budget, and to the satisfaction of stakeholders. This experience gave me the chance to understand how a professional technical team operates in a project setting and understand the job scope of a software engineer better.

Currently, I am taking modules on Application Systems Development as well as Data Structures and Algorithms to hone my skills and become a better software engineer. I am eager to apply my technical expertise and passion for technology to make a positive impact in the field. Throughout my academic and professional journey, I have gained a solid foundation in programming languages such as Python, Java, R, HTML, CSS, JavaScript and have sharpened my problem-solving abilities through a variety of projects and internships.

I am eager to further my learning and apply my skills in a professional setting, where I can contribute to the success of an organization through the development of efficient and effective software solutions. I am confident that my strong analytical abilities, technical skills, and business acumen make me a valuable asset to any team, and I am excited to leverage my knowledge and experience to make a meaningful impact in the field of software engineering and business analytics. I am eager to be part of a dynamic team that is constantly pushing boundaries and driving innovation through technology.

Work Experience

Zuellig Pharma Therapeutics

Commercial Excellence Data Analyst Intern

May 2022 - Aug 2022

- Designed and executed data preparation activities such as mapping of data and data cleaning to ensure accurate and proper usage of existing data sources from internal ePORTE database.
- Supported in the execution of Tableau dashboards for the data visualization of employee training data, generating better insights on conversion opportunity.
- Translated business requirements into detailed and logical enhancements of the Tableau dashboards, increasing the efficiency of the commercial excellence team.
- Utilized clearly defined KPIs (Key Performance Indicator) such as medical representative monthly call reach to gain better insights on the headcount deployment of the medical representatives, optimizing salesforce effectiveness in eight asian markets.
- Demonstrated problem solving skills by working closely together with the Commercial Excellence team to solve data discrepancies, increasing the competence of the sales force.
- Managed internal stakeholders through the forecasting and analysis of data to create succinct and clear business review templates which enable senior stakeholders to understand our current performance and ways to improve it.
- Generated insights of medical representatives' Share of Voice data using Tableau to identify areas of improvements and presented findings to senior stakeholders to increase the effectiveness of the sales force.

Sheng Wang Trading

Operations Intern

Feb 2021 - Aug 2021

- Collaborated and supported in leading digital marketing campaigns, A/B testing, generated more than 30 new leads monthly.
- Supervised and organized company's fleet of 19 heavy vehicles and drivers to ensure streamlined operation.
- Optimized company logistics and scheduling of day-to-day activities of workers to job sites and collection of goods from suppliers
- Performed reconciliation of bank statements and bank balances to ensure financial consistency and accuracy for eight entities.
- Formulated and executed marketing strategies and promoted products to clients.
- Sourced for talents on job portals and conducting applicant screening.
- Built brand awareness and grew social media channels by managing and liaising with five external vendors.

Science Tutor

Freelance

Feb 2021 – Dec 2022

- Assisted in assembling lesson plans to administer to students and keep them on track with assignments.
- Kept records of academic performance and applied this information to address areas of improvement for students.
- Focused on Primary 6 and Secondary 4 students taking national examinations.

Singapore Armed Forces

Transport and Logistics Operator

Apr 2019 - Feb 2021

- Led and managed a team of 10 soldiers for weekly nationwide defense operations.
- Operated and maintained of over 10 different types of Class 3 and Class 4 military vehicles.
- Carried out weekly active unit deployment operations alongside 17 team members.
- Weekly rooster planning and team management for missions and military duties.

Eagle Eye Centre

Medical Intern

Mar 2019 Mar 2019

- Shadowed 5 different doctors on surgical and medical processes while interacting with patients to understand conditions and provide assurance.
- Rendered assistance to doctors and optometrists in handling patients.

Education

Aug 2021 – Present	National University of Singapore Bachelor of Computing (Honours) in Business Analytics	Singapore
Jan 2017 - Dec 2018	Eunoia Junior College Singapore-Cambridge General Certificate of Education Advanced Level Subjects: Biology (A), Chemistry (B), Math (B), General Paper (B) Economics (A), Chinese (A), Project Work (A)	Singapore

Scholastic Achievements

Dec 2022 - Present	N-House Vice Resident Assistant	Singapore
May 2022 – July 2022	Orbital 2022 Developed a sentiment analysis model using the NLTK library for the "ReviewO" project, which involved cleaning, categorizing, and predicting sentiments of product reviews for additional analysis.	Singapore
Sep 2022	Shopee Product & Design Challenge 2022 Participant	Singapore
July 2022	P&G CEO Challenge 2022 Participant	Singapore
Apr 2022	BitHacks 2022 Best Presentation Award	Singapore
Dec 2021	Finmeta 2021 Champion	Singapore
Oct 2021	NUS StartIT SICC Case Competition 2021 Champion	Singapore
Aug 2021	Ideate 2021 by NUS IDP Participant	Singapore
July 2021	LifeHack 2021 Participant	Singapore

Extracurricular Activities

- Google Developer Student Club NUS– Project Virtual Supermarket Product Manager. Responsible for product planning, delivery, and marketing throughout the product lifecycle. Collaborating with FoodBank stakeholders and development team to develop Virtual Supermarket a platform for donors to purchase the items they wish to donate.
- Eusoff Hall Relations Board (Programs)– Planned and organize hall wide events for over 400 residents to encourage bonding and manage welfare of students.
- Eusoff Hall Promotion Board (Programs and Marketing) – Planned and executed promotional events for the hall such as “NUS Open-day”. Engaged and collaborated with over 100 companies for event sponsorships and managed external relations.
- Project Management Team of NUS StartIT (Project Management) – Planned and organized Hackathons for NUS students. Engaged with many likeminded individuals interested in entrepreneurship.

Entrepreneurial Experience

Ryan-Rated Food (@ryanratedfood on Instagram)	Dec 2021 - Present
<ul style="list-style-type: none">• Co-founder of Ryan-Rated Food• In charge of building the brand name, marketing of products to students as well as organizations• Handled sales and logistics of the business.• Customer interaction and customer handling• Sold over 1000 individual cookies.	

Skill Sets & Proficiency

Office Productivity	Microsoft Word, PowerPoint Microsoft Excel	Proficient Intermediate
Multimedia	Adobe Photoshop Adobe Lightroom Adobe Premiere Pro Final Cut Pro	Basic Basic Intermediate Basic
Web	HTML, CSS	Intermediate
Database	MySQL DBMS SQL MongoDB Firebase	Intermediate Intermediate Basic Basic
Programming	Java Python R NLTK Keras / Tensorflow	Intermediate Proficient Proficient Intermediate Basic
Data Science	Numpy Pandas Matplotlib Seaborn Scikit-Learn	Intermediate Intermediate Basic Basic Basic
Data Visualisation	Tableau Power BI	Proficient Intermediate
Scripting	JavaScript	Basic
Non-technical Skills	Project Management Writing/Publications	Intermediate Intermediate

Language Proficiency

Spoken	English – fluent; Mandarin – fluent
Written	English – competent; Chinese – competent

Community Service

People Action Party (PAP) - Meet the People session

Writer

Aug 2020 - Present

Represented Bukit Batok MP in speaking to over 40 petitioners and summarizing requests weekly.
Drafted multiple emails to relevant agencies and organizations to acquire financial aid for petitioners.
Engaged in monthly dialogue sessions and youth activities.

People's Association (PA)

Student Volunteer

Aug 2020 - Present

Volunteered in community outreach and festive events, helping less fortunate and environmental awareness programs organized by the PA youth organization.