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Personal Statement

Technology has been something I am obsessed with since I was in secondary school. I have always been fascinated by the way technology is changing how people live and helping people have a better life. Hence, pursuing a career in technology especially in software has been something that I always keen on. I had my first encounter with the technology world when I was learning web development during secondary school. I crunched books and videos on HTML and CSS to help me build my first website. Later, I started picking up on Java. Although it was only at the surface level, the experience had me realized that I want to further study the field of programming, thus I enrolled at National University of Singapore (NUS) to study Information Systems.

Studying in NUS has been helping me in gaining a broader view of Information Technology. The course does not only develop my technical skills but also help me in analyzing different opportunities in business to apply those skills and enhance the business process. My technical skills are grown through taking different programming courses and developing several web applications as a school project or hackathons throughout the last two years of my study. Furthermore, I am also working as a part-time teaching assistant in NUS, teaching relational database systems.

I believe stepping outside the education bubble is a key to improve my soft and technical skills. As a result, I have embarked on a couple of internship experiences. My first experience was with a social enterprise startup called Fairmarch. During the winter holiday, I helped the team to build a website for one of their partners. The experience taught me skills in frontend web development and in deploying and maintaining a website. The following summer, I was working as a Software Engineer Intern at Visa. I worked with the Loyalty team, and I was given the chance to migrate one of the business processes from a legacy system to a newer one with open source technologies. The process involves calling Visa's internal API in order to push funds to customer accounts. Throughout the period I was able to experience the whole SDLC, although there was not enough time to complete the deployment phase. The project I was embarked on has helped me nurture my technical skills, especially on following high coding standards and designing and developing mission-critical applications. Furthermore, Visa has exposed me to different business processes in the Fintech industry.

During this full-year journey, I hope to contribute to a fast-growing technology company where I can utilize my expertise as a software engineer in developing efficient and robust applications to enhance the company's product line or business processes. In addition, I am also interested in working in the data science field, especially as a data analyst or a machine learning engineer to help the company leverage data to improve their operations or products. Being a part of such companies would be in line with my interests and it will not only be beneficial for the company, but I will also gain more knowledge, skills, and experience for my future career development.

I am always excited to try on new experiences and tackle different challenges. I am confident in my analytical and problem-solving skills. Those skills have been proven during internships and school projects, which allows me to quickly spot flaws and provide solutions. Working within groups is something that I always look forward to. I enjoy sharing ideas and perspectives on the project to help the group move forward. I am also open to listening to other's opinions as well and try to accommodate different views in the group.

I look forward with great anticipation to the opportunities and any awaiting challenges that may arrive in pursuing my interest in work.

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Education

Aug 2017 - Present	**National University of Singapore**	Singapore
	Bachelor of Computing (Honours) in Information Systems	
	(Course details in Appendix A)	
Jul 2014 - Jun 2017	**SMA Kristen 7 BPK Penabur Jakarta**	Indonesia
	• Indonesian National Examination Natural Science Stream	

Work Experience

Aug 2019 - Present	**National University of Singapore**	Singapore
	Teaching Assistant	
	• Teach relational database (SQL) and its usage in web applications to a class of 18 students.	
May 2019 - Aug 2019	**Visa**	Singapore
	Software Engineer Intern	
	• Rearchitected an ETL process in a legacy system into a new system with open source technologies.	
	• Designed and developed a new flow for the process which increases the speed of the process from 5000 requests per hour to almost a million requests per hour.	
Dec 2018 – Feb 2019	**Fairmarch**	Singapore
	Web Developer Intern	
	• Developed and maintained a personal website for Fairmarch's partner.	

Projects

Aug 2019 - Present	**FlipIt**	Singapore
	• A modern learning management system for tertiary education organizations to help them achieve a more holistic learning experience.	
	• Tech Stack: JavaEE, MySQL, and React.	
Jan 2019 - May 2019	**ExperLife**	Singapore
	• A platform for people to promote events or classes and for others to join them.	
	• Tech Stack: JavaEE, MySQL, JSF, and Ionic.	
May 2018 – Aug 2018	**OnDmand**	Singapore
	• A web application to connect job seekers and employers for short-term jobs.	
	• Tech Stack: HTML, CSS, Bootstrap, Node.JS, Express.JS, and MySQL.	

Scholastic Achievements/Extracurricular Activities

Aug 2017 - Present	**School Contributions**	Singapore
	• Associate for NUS Entrepreneurship Society	
	• Committee for NUS Indonesian Students Christian Fellowship	
	• Audio Visual Member for Nuansa Cultural Productions	
	• Tech Sub-committee for NUS Indonesian Students Association	
	• Team Member for Kent Ridge Hall Table Tennis Team	
Jul 2014 – Jun 2017	**SMA Kristen 7 BPK Penabur Jakarta**	Indonesia
	• 3rd Highest Overall Score in the Cohort among over 120 students.	

Skill Sets & Proficiency

Office Productivity	Microsoft Word, PowerPoint	Proficient
	Microsoft Excel	Intermediate
	Microsoft Project	Basic
Web	HTML, CSS	Proficient
	JSF technology	Intermediate
	Angular	Intermediate
	Ionic	Intermediate
	REST API	Intermediate
	Node.JS	Basic
	Express.JS	Basic
	PHP	Basic
Database	SQL	Intermediate
Programming	Java	Proficient
	Python	Intermediate
	C	Basic
Data Science	Scikit-Learn	Basic
	Pandas	Basic
Source Control	Git	Basic
Scripting	JavaScript	Intermediate
Operating Systems	Windows XP, 7, 8, 10	Basic
	Unix	Basic
Non-technical Skills	Project Management	Basic
	Writing/Publications	Basic

Language Proficiency

Spoken	English – fluent; Bahasa Indonesia – native
Written	English – competent; Bahasa Indonesia – competent

Additional Information

Other Interests	Playing table tennis and billiard, traveling

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Degree: Bachelor of Computing (Honours) in Information Systems
Cumulative Average Point: 4.57 / 5.00

Year	Level	Course Description	Grades
Aug – Dec 2017	Year 1/Semester 1	Programming Methodology	A-
		Information Systems Innovations in Organisations and Society	S
		Quantitative Reasoning	A+
		Economic Issues in Developing World	S
		English for Academic Purposes	B+
Jan – May 2018	Year 1/Semester 2	Data Structures and Algorithms I	A
		Computer Organisation	A-
		Discrete structures	S
		Calculus for Computing	S
		Asking Questions	CS
Aug – Dec 2018	Year 2/Semester 1	Database Systems	A+
		Enterprise Systems Server-Side Design and Development	A-
		Enterprise Systems Architecture and Design	A
		Accounting for Decision Makers	B+
		Independent Software Development Project (Orbital)	CS
		Darwin and Evolution	S
		Chinese 1	B+
Jan – May 2019	Year 2/Semester 2	Data Structures and Algorithms II	A+
		Enterprise Systems Interface Design and Development	A-
		Introduction to Computer Networks	A
		IT-Mediated Financial Solutions and Platforms	B+
		Probability and Statistics	A-
		Business and Technical Communication	S
Aug – Dec 2019	Year 3/Semester 1	Information Systems Capstone Project	In-progress
		Intelligent Systems and Techniques	In-progress
		IT Project Management	In-progress
		Information Systems Leadership and Communication	In-progress

NUS Grading Scale:

A+ & A (5.0); A- (4.5); B+ (4.0); B (3.5); B- (3.0); C+ (2.5); C (2.0); D+ (1.5); D (1.0); F (0)

S = Satisfactory; U = Unsatisfactory

CS = Completed Satisfactorily; CU = Completed Unsatisfactorily

EXE = Exempted; IC = Incomplete; IP = In Progress; W = Withdrawn

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