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Personal Statement

About Me

I am a third year Information Systems student at the National University of Singapore (NUS), with a strong interest in designing products that work for people and leave them with positive experiences. I like working through complexities of problems in a given context, and designing elegant, efficient, and complete solutions. During my course of study at NUS, I had the opportunity to learn the processes behind building companies' technological infrastructures, providing me with essential skills to work in this industry. My course also teaches us about the way technology and businesses are integrated, giving me invaluable insights into the complicated relationships that form the network effects of the markets today.

Other than the technical fields of my work, I also have a strong interest in environmental conservation, and social enterprises. During my years in Tembusu College, I worked hard with the committee I spearheaded, which focused efforts on snow leopard conservation, with regular fund raisers and activities to spread awareness about the snow leopard.

Internship Objectives

Through this program, I want to enhance my skills as a developer by integrating designs with real-world application and a global perspective. I strongly believe that the key to building a software product is to pay an immense amount of attention to the needs of its users and designing features and interface that best suit them. Hence, through interning in a start-up and playing a role in its product design and front-end development, I will be able to mature my technical skills in front-end development and better understand the design process in a real-world context. Through this internship, I hope to gain the entrepreneurial experience to turn my product ideas into a viable business.

Strengths & Weaknesses

Being a detail-oriented person by nature, I believe I am someone who has a critical and analytical view of things. I am someone who stays extremely committed to a task when I am convinced that it will work out. I also value collaborative work, since I like to exchange ideas with people in a team. As such, I have developed the skills of working effectively in teams, by keeping communication channels open, and keeping all members on track. However, I will admit that I am not the fastest learner when it comes to new technologies, since I have always approached learning with foundations first. However, I am not daunted by a steep learning curve – instead, it would be my privilege to learn under the guidance of mentors on your team.

Education

Aug 2017 - Present	**National University of Singapore** Bachelor of Computing (Honours) in Information Systems	Singapore
Feb 2015 – Sept 2016	**Catholic Junior College** • Singapore-Cambridge General Certificate of Education Advanced Level • Subjects: H2 Physics (A), H2 Mathematics (A), H2 Chemistry (B), H1 General Paper (B), H1 Chinese (B), H1 History (B)	Singapore
Jan 2011 – Nov 2014	**School of Science and Technology** • Subjects: Physics (A), Mathematics (A), English (A), Biotechnology(A), Chinese (A), Chemistry (B)	Singapore

Work Experience

Jun 2019 – Aug 2019	**Tetsuyu Healthcare Private Limited** *Software Engineering Intern*	Singapore

- **Web development**
    - Develop company website for a professional public image
    - Organised photoshoot and used GIMP for editing to be displayed in the website
    - Produced video content, edited with Lightworks, to make the website more dynamic
    - Manage requirements with stakeholders to ensure client satisfaction
    - Achieved mastery of React.JS and improved CSS and HTML skills through online tutorials, without supervision
    - Mobilized various department staff to contribute content pieces to the website
- **Technical Writing**
    - Facilitated technical communication using technical documentation to better align product vision to development milestones
    - Diagnosed application for system bugs to ensure smooth user experience
    - Suggest product improvements to increase user satisfaction
- **Image Annotation for Machine Learning**
    - Categorised tissues in wound images using Azimut (by A*Star), to pre-process data for machine learning
    - Implemented efficient file management system to enhance efficiency by 3-fold using Excel

April 2018 – present	**Freelance** *Graphic Design, Web Developer*	Singapore

- Managing expectations and requirements with clients to develop digital products to their satisfaction

Jun 2019 – Aug 2019	**Tom Dick and Hillary's** *Service Staff* • Networking and communication with top professionals from various fields	Singapore
Jun 2019 – Aug 2019	**Jibiru Craft Beer Bar** *Service Staff* • Ensured a positive dining experience for a professional clientele	Singapore

Projects

August 2019 – November 2019	**NUS Healthy Eating Application** *Android Programming* • As part of a module project, I developed an Android application that helped to automatically adjust prices of food based on the nutritional intake of NUS students. • It made use of QR Codes to read json files and extract and process data within the application, to determine customised prices for each student, to encourage a balanced diet. • I also made use of the MPAndroidChart library to track the nutritional Information of the students to give them feedback on their nutritional intake.	Singapore
Jan 2019 - May 2019	**Liqcrative** *Software Engineering Project* • I led a team of 4 in a full-stack web and mobile application development project using **Java EE SDK and Angular**, for a module on enterprise systems interface design and development. • LiqCrative was an alcohol subscription box service with different tiers, created with the intention of lowering costs for budding mixologists,while sending them unique craft liquors in sample-sized volumes. • The backend of the software was built in Java EE, while the front end was built with Java's PrimeFaces (Admin panel), and Angular (customer-facing application) with RESTful web services.	Singapore
Dec 2018 - Jan 2019	**NUS Makerthon 2019 - Alfred** *Programmer* • Alfred is my Makerthon team's RasPi robot, designed to help children with limited mobility move things around their desks. • I integrated computer vision, voice controls, and switch controls into a Raspberry Pi robot using Python Libraries (RpiGPIO, numpy, pyaudio, OpenCV etc) to empower children with limited mobility.	Singapore

Scholastic Achievements/Extracurricular Activities

Aug 2018- May 2019	**Project Shan, Tembusu College** *Project Head* • Initiated and spearheaded the first committee dedicated to conservation efforts of Animal of the Year (AoTY) in Tembusu College, which successfully funded a research camera (USD500) in the Sarychat Ertash Nature Reserve, Kyrgyzstan • Headed final exhibition for the annual Rector's Shield event, to create a shadow art piece made with recycled materials	Singapore
Aug 2017- May 2018	**BreakiNUS, The Official NUS Bboy Club** *Vice-President* • Organised Singapore's largest annual inter-university dance jam in the genre, facilitating the exchange of technical expertise between clubs	Singapore

- Managed club logistics and venues for rehearsals and practice
- Assisted the president with building internal and external club relations

| Aug 2017- May 2018 | **Tembusu College House Committee** | Singapore |

Member & Treasurer

- Verified and distributed funds and reimbursements for all house events
- Planned and executed fortnightly house activities of various calibers, with a committee of members of largely varying working styles

Skill Sets & Proficiency

Programming	Java	Proficient
	Kotlin	Proficient
	Python	Proficient
	C	Intermediate
	Shell Scripting	Basic
	Raspberry Pi (Hardware and Software)	Proficient
Software development	HTML/XML, CSS, JS	Proficient
	React.JS	Proficient
	Java EE SDK	Proficient
	Angular	Basic
	Ionic	Basic
	RESTful Web services	Intermediate
Multimedia	Lightworks	Proficient
	GIMP	Proficient
	Video and photo shoots	Intermediate
Database	MySQL DBMS	Intermediate
	SQL	Intermediate
Operating Systems	Windows	Advanced
	Linux	Basic command line operations

Language Proficiency

| **Spoken** | English – fluent; Mandarin – fluent |
| **Written** | English – competent; Chinese – average |