Personal Statement ([Shawn] Ho Wei Lip)

Introduction

Problem-solving activities, such as puzzles, and codes, are what I enjoy most as a second-year student in computer science. Through these activities, I learn to develop a "can-do" attitude each time I am faced with new challenges.

From young, I have been intrigued by the world of mathematics – the challenge of thinking and the process of logic involves in this subject. My decision to major in Computer Science in the university stems from my passion for numbers and problem-solving.

Skill Sets

Computer science is a relatively new subject to me in university. Fortunately, the rigorous and robust degree programmes have helped me develop a critical mind through business simulations, case presentations, industry-based projects, and more.

Last summer, I created my own android project on GitHub and have become fairly proficient in the program. I have just completed a winter internship in Coursepad as an android programmer. I gained deeper understanding of coding and how it can be applied in a professional setting.

Learning

With good discipline and effective time management skills, I had completed several online courses on my own (e.g. Coursera and Udacity). In university, I take modules outside my core curriculum such as mathematics and psychology to expand my knowledge. At the same time, I started to discover my interests lie in the areas of software engineering, artificial intelligence and security. As such, I plan to devote my attention in these areas during the third and final year.

Character

From young, my parents inculcated in me the value of thrift. Since high school, I have been funding my own education by doing odd-jobs during holidays and giving private tuition to secondary school students. In the face of difficulties at home or in school, I strive to play the cards that life deals me to the best of my abilities.

My role as a Class Representative in my high school has honed my communication and leadership skills as I had to handle students from diverse backgrounds on a daily basis.

I hope that my strong learning appetite, adaptability and positive mind-set will serve me well in life.

[Shawn] Ho Wei Lip

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EDUCATION

National University of Singapore (NUS)   **Aug 2014 – present**

- Bachelor of Computing (Computing Science), Honours
- Current CAP: 3.8/5.0 (Expected 2nd Upper Class Honours)
- Expected Date of Graduation: May 2018

Serangoon Junior College, High School   **Jan 2010 – Dec 2011**

- General Certificate of Education Advanced Levels, 2011

WORK EXPERIENCE

Coursepad, Android Developer (Winter Internship)   **Dec 2015 – Jan 2016**

- Worked as a front-end developer in Coursepad. Helped to create functionality and interfaces for the Coursepad android mobile application
- Helped to develop push notifications with Baidu API

Private Tutor   **Jun 2014 – Present**

- Inspire and motivate students through structured delivery of lessons in Mathematics to secondary school students

Singapore Armed Forces: Artillery Specialist   **May 2012 – Mar 2014**

- Managed and supervised six men during overseas trips and exercises. Was able to leverage on my leadership and communication skills to discharge this duty effectively
- Operated the 120mm Mortar weapon and made sure the efficiency and safety during the operations

Noel Gifts , Admin Leader   **Dec 2011 – Feb 2012**

- Meticulously filled up sales orders to ensure smooth internal operations
- It was a good opportunity to gain the soft skills of sales and customer management

COMPUTING SKILLS & KNOWLEDGE

Skills & Knowledge

Office Productivity	Microsoft Word, PowerPoint	Proficient
	Microsoft Excel, Outlook	Basic
Operating Systems	Windows 7,8,10	Proficient
	Ubuntu, Mac OS	Intermediate
Programming Languages	Java, JavaFX	Proficient
	C, JavaScript, Assembly	Intermediate
	CSS, HTML, Python	Basic

Revision Control Software	Github, SourceTree	Intermediate
Software, IDE	Android Studio, Eclipse	Proficient
	Visual Studio	Basic

CO-CURRICULAR ACTIVITIES

NUS (King Edward VII Hall) Basketball, Vice-Captain   **Aug 2015 to Jan 2016**

- Responsible for the team well-being, training attitude and motivating the members.

NUS (King Edward VII Hall), Overseas Community Involvement Programme   **Aug 2014 to Jan 2015**

- Responsible for the safety of members participating in this cause.
- Aided the underprivileged villagers in Laos with construction works
- Mingled with the locals through a home stay and gained greater cultural competency

Serangoon Junior College, Class Representative   **Jan 2010 – Dec 2011**

- Overall in charge of the class discipline and promoted bonding among classmates

Serangoon Junior College, Basketball, Member   **Jan 2010 - May 2011**

- Represented the school for A Division basketball as a member

Serangoon Junior College, Overseas Community Involvement Programme   **Aug 2014 to Jan 2015**

- Responsible for the teaching program in the cause.
- Aided the underprivileged villagers in Cambodia with construction works

Others

Language: Fluent in English and Mandarin
Interests: Playing the Piano, Solving Puzzles, Wine, Investments, Culinary Pursuits
GitHub Profile: https://github.com/weilip1803

Appendix

Modules Taken and grades

Module Code	Module Title	Grades
	Academic Year 2014/2015 Semester 1	
CS1101S	Programming Methodology	A-
CS1231	Discrete Structures	S
GEK2507	Physical Questions From Everyday Life	S
MA1101R	Linear Algebra 1	A-
MA1102R	Calculus	S
	Academic Year 2014/2015 Semester 2	
CS2020	Data Structures And Algorithms Accelerated	B+
CS2100	Computer Organization	B+
IS1103	Computing And Society	S
MA2108	Mathematical Analysis 1	B
ST2131	Probability	B
	Academic Year 2015/2016 Semester 1	
CP3108B	Independent Work	CS
CS2105	Introduction To Computer Networks	B-
CS2106	Introduction To Operating Systems	B-
CS3230	Design And Analysis Of Algorithms	B+
CS3244	Machine Learning	B
GEK1901	Critical Thinking In The Information Age	B+
	Academic Year 2015/2016 Semester 2	
CS3243	Introduction To Artificial Intelligence	In Progress
CS2103T	Introduction To Software Engineering	In Progress
CS2101	Effective Communication for Computing Professionals	In Progress
CS2107	Introduction To Information Security	In Progress
	Cumulative Grade Point Average	**3.8**

Legend: CS = Completed Satisfactory and S = Satisfactory