Justus WAH
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Personal Statement

Internship Objective

I aim to contribute in any way I can to emerging tech startups. Meanwhile, I also aspire to learn from the best and brightest entrepreneurs in Silicon Valley, so I can ultimately realize my dream of working at a tech startup dedicated to providing healthcare and social needs to others.

How I Can Contribute

I can contribute a strong understanding of both hardware and software. Additionally, I can offer my leadership experience and genuine interest for technology. Crucially, I can offer a diverse, global perspective to my role as an intern. I will also offer an unparalleled attitude towards doing my job, and a willingness to learn and adapt. Lastly, I will be a friendly, sincere colleague that brightens up the work place each and every day!

Work Experiences

I've completed lengthy internships at two places. Firstly, I've interned at the Institute of Bioengineering and Nanotechnology in Singapore, a research center which pioneers in advanced devices to improve healthcare. I've also worked at Powermat, a startup which provides wireless charging solutions to mobile devices. At both of these workplaces I was put in a role where I had to pick up crucial skill sets on my own, and attempt to design software solutions and procedural changes.

Current Appointments

I am the incumbent President of Residential College 4, an educational college of over 600 students that teaches Systems Dynamics Analysis using software simulation tools. My job scope involves making key decisions regarding the student life, budgeting (>$50,000), and administration decisions in my college, as well as representing the students at a university-wide level.

I also work part time as a programming consultant and student advisor at the university level, teaching other students basic programming skills for free.

References Available

Itay Sherman
Chief Technology Officer, Powermat Ltd.

Dexian Cai
Commanding Officer, 48th Battalion Singapore Armoured Regiment

John Martin Richardson, Jr.
Systems Analysis Pioneer, American University Emeritus Professor of International Development

Dr Naviyn Prabhu Balakrishnan
Director of Student Affairs, Residential College 4

Education

Aug 2016 - Present	**National University of Singapore** Bachelor of Computing (Honours) in Computer Engineering *(Course details in Appendix A)*	Singapore
Aug 2011 – May 2014	**Seoul Foreign School** International Baccalaureate Diploma (37/45) GPA: 4.0/4.3	South Korea
Aug 2010 – May 2011	**Taipei American School**	Taiwan

Work Experience

Nov 2017 – Jan 2018	**Powermat Technologies Ltd.** *Android Developer Intern* • Fully coded an android app which utilizes Bluetooth Low Energy to successfully perform Over-The-Air Software Updates for Wireless Charging devices • Application now in use by Powermat Employees for firmware updates	Singapore
Aug 2014 – June 2016	**48th Battalion, Singapore Armour Regiment** *Platoon Sergeant* • Achieved "Best Unit Commander" Award for the 4th Quarter of 2015. • Led teams > 50 soldiers to contribute to key events (such as Singapore's 50th National Day Parade) • Achieved top-tier excellency in all platoon proficiency assessments.	Singapore

Scholastic Achievements/Extracurricular Activities

Aug 2017 – May 2018	**President of Residential College 4** • Managed over $50,000 in funding for Student Life events and other initiatives. Made key sponsorship and leadership decisions. • Achieved the "Certificate for Campus Vibrancy Award" which recognizes outstanding work by student governments. • Co-directed the "Open House" for our college, attracting over 1,000 visitors.	Singapore
September 2017	**Mega Startup Weekend Singapore Hackathon @ NUS Enterprise** Honourable Mention *Business summary*: We developed a social application that allowed users to create real-time, engaging, casual events that anybody can join. Approached by the Vice-President of Carousell to further explore this Idea.	Singapore
Dec 2015	**Best Unit Commander Award, 4th Quarter 2015** • Won the award that was specially awarded by the Commanding Officer of my unit, for excellent leadership and performance. • Achieved an early rank promotion as a result	Singapore

Skill Sets & Proficiency

Programming	Java	Proficient
	C	Proficient
	C++	Basic
	C#	Basic
	Verilog	Proficient
	Assembly	Proficient
Web	HTML, CSS	Intermediate
	JSP technology	Intermediate
	PHP	Basic
Database	MySQL DBMS	Basic
	SQL	Basic
Scripting	JavaScript	Intermediate
Markup	XML	Basic
Server Management & Network	Server Setup/Maintenance	Basic
	Wireless Networking	Basic
Security	Firewalls (IPTables, OpenBSD Packet Filter)	Basic
	Wireless Security	Basic
	Virtual Private Networking (OpenVPN, IPSec)	Basic
	Intrusion Detection System (SNORT)	Basic
Operating Systems	Linux	Basic
	Windows 9x, 2000, XP	Basic
	Unix/BSD	Basic
Hardware Design	Celoxica Handel-C	Basic
	VHDL	Proficient
	Circuit design	Proficient
Multimedia	Corel Paint Shop Pro	Basic
	Adobe Photoshop CS2	Basic
	Adobe Premiere Pro	Basic
	Final Cut Pro	Basic
	Macromedia Dreamweaver	Basic

Language Proficiency

Spoken	English – fluent; Mandarin – fluent, French – fluent
Written	English – competent; Chinese – competent, French - average

Additional Information

Other activities/interests

Degree: Bachelor of Computing (Honours) in Computer Engineering
Cumulative Average Point: xx.xx / 5.00

Year	Level	Course Description	Grades
Aug – Nov 2010	Year 1/Semester 1	Programming Methodology	A-
		Quantitative Reasoning	A+
		Mathematics I	B+
		Engineering Principles and Practices	A
		Thinking in Systems: Diseases and Healthcare	A
Jan – May 2011	Year 1/Semester 2	Data Structures and Algorithms (1)	B+
		Electrical Engineering	B+
		Discrete Structures	B+
		Committed to Changing Our World – Dana Meadow's Legacy	A-
		Exploring Blogs as a Form of Communication	B+
		Mathematics II	B+
Aug – Nov 2017	Year 2/Semester 1	Real-Time Operating Systems	B+
		Software Engineering	B
		Effective Communication for Computing Professionals	A-
		Digital Fundamentals	A-
		Science Fiction & Empire	B+
Jan – May 2018	Year 2/Semester 2	Programming for Computer Interfaces	TBC
		Probability and Statistics	TBC
		Physics II	TBC
		Signals and Systems	TBC
		Hard to secure, easy to waste – Singapore's Food Story	TBC
		Data Structures and Algorithms (2)	TBC

The **Software Engineering Project** focused on enhancing the conventional AddressBook application, originally forked from the AddressBook Level 4 Repository by the Software Engineering Education team (SE-EDU). It is specifically intended to be utilized by English-Speaking business executives. The three main aspects of Contags that we have focused on to achieve this goal include storing and organising large numbers of contacts, efficient integrated communication, and ease of maintaining business relationships.

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