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Personal Statement

I am a passionate and driven student working towards a BA in Business Analytics at the National University of Singapore. I aim to use my knowledge of software development, data analytics and machine learning to generate key business insights for companies.

Internship Objective and How I can contribute

Through this internship, I hope to make a significant impact to the company and play an active role in the product development of the startup. Although I may not have acquired much formal working experience, I believe that I can quickly adapt my set of skills to the needs of the company. My ability to learn and think fast may also come into use if I ever need to pick up new tools or frameworks that complements what the company needs.

About me

Whenever I am free, I'll be looking up medium articles on the various computer science topics that I am interested in. I have dabbled in numerous things such as machine learning, software development and even security. The two topics that I'm really interested in will be machine learning and software development as they can do amazing things when combined together. I think of myself as an extroverted geek. I love to come up with crazy ideas to problems and I'm not afraid to find people to develop these solutions with me.

Strengths & Weaknesses

My biggest strength would have to be perseverance. While I may not be the smartest or the most talented developer, the one thing I excel at is putting in the hard work. I take pride in my work because I see a reflection of myself in my work. Hence, I always put in a hundred percent in whatever I set my mind to do.

Ironically, my biggest weakness is that I'm too focused on the big picture sometimes. I like to ponder on ideas and these ideas form the general concept of a product. Upon further inspection, one can sometimes find logical errors and gaps in the nitty gritty details. Hence, I have to constantly critique my ideas and deconstruct them to find the loopholes.

Work experience and Skill set

I am starting my summer internship at JPMorgan as a technology analyst but prior to this incoming internship, I do not have any formal working experience. Nevertheless, I have worked with the likes of Facebook and other established organizations in Singapore through the various side projects that I work on. For example, I recently created a chatbot for a museum in Singapore. I was able to work closely with the museum's IT team and Facebook's creative team in creating this application.

Apart from the analytics tools taught in school, I self-taught myself web development tools (React.js, Node.js, HTML/CSS) as they are necessary in seeing my projects come to life. I am also able to learn and adapt quickly to new concepts and tools should the need arise. After all, necessity is the mother of all inventions.

In conclusion, I'm looking for a start in the exciting world of startups where I can hone my skills and to grow my digital portfolio within an innovative, exciting company. In exchange, I guarantee a ridiculous, sickening, work ethic coupled with a constant desire to learn and improve.

Ethan Chen

Education

Aug 2016 - Present	**National University of Singapore** Bachelor of Science (Honours) in Business Analytics *(Course details in Appendix A)*	Singapore
Jan 2012 - Dec 2013	**Saint Andrew's Junior College** • Singapore-Cambridge General Certificate of Education Advanced Level	Singapore

Work Experience

May 2018 – Aug 2018	**JPMorgan Chase & Co.** *Summer Technology Analyst (incoming)* • Will be working in the Enterprise technology, Global Technology Infrastructure team.	Singapore
Jan 2018 - Apr 2018	**National University of Singapore** *Teaching Assistant (Programming Methodology)* • Conducted weekly tutorials for a class of 18 students which improved my ability to communicate technical concepts. • Tasked to grade students on their weekly assignments which honed my ability to give relevant feedback to students.	Singapore
Aug 2017 – Dec 2017	**The Synergy Lab** *Research Assistant* • Developed a chatbot that surveys and collects user's answers on texting habits which are then used for research purposes. • Deployed an integrated system with database and backend support so as to facilitate the fetching and updating of data.	Singapore

Scholastic Achievements/Extracurricular Activities

Aug 2016 – May 2017	**Scholarship** NUS Utown Scholarship (Ridge View Residential College)	Singapore
Sep 2017	**J.P. Morgan Code for Good 2017** Winner • Tasked with conceptualizing and creating an MVP in under 10 hours for a non-profit organization. • Developed a matchmaking application via the Facebook Messenger platform to help single mothers find babysitters to look after their children while they are at work. • Pitched the idea to a panel of 20 judges in under 2 minutes. • Won the hackathon that had 12 teams of 5 members each.	Singapore
May 2017	**NUS Data Science Student Challenge 2017** Top 6 • Utilized the Microsoft Azure cloud computing service to develop solutions to problems in healthcare, education or energy. • Created a neural network model that predicted the likelihood of contracting common diseases based on a user's answers to 10 simple questions within 24 hours.	Singapore

- Developed the solution through an API pipeline and Telegram chatbot interface.

Jun 2017 - Feb 2018	**Colours of Impressionism Chatbot**	Singapore

- Developed a chatbot to enhance museum goer's experience in exhibition rooms of National Gallery Singapore.
- Worked closely with National Gallery's curatorial team and Facebook's content team to create a seamless integration between exhibition content and the Facebook Messenger platform.
- Gained firsthand experience in server deployment, stress testing and server maintenance through creating an application that has been used by more than 1000 unique users.

Skill Sets & Proficiency

Programming	Java	Proficient
	Python	Proficient
Web	HTML	Intermediate
	CSS	Intermediate
	Node.js	Proficient
	React.js (Redux)	Proficient
	Meteor.js	Basic
Database	SQL	Basic
	MongoDB	Basic
Scripting	JavaScript	Proficient
Analytics/Machine learning	R	Basic
	Tensorflow	Intermediate
	Pandas	Basic
	Numpy	Intermediate
	Tableau	Basic

Language Proficiency

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

Additional Information

Focal — *Orbital project*
- Worked on this project over the summer of 2017 and achieved the approval of marking it as having the highest difficulty out of three levels.
- Developed a Google Chrome extension that aims to correct a user's Internet browsing habits so as to allow them to achieve maximum productivity online.
- Utilized React.js and redux for this project in order to create a seamless frontend experience for the user.
- Integrated time tracking and alert capabilities into the Google Chrome ecosystem.

Degree: Bachelor of Science (Honours) in Business Analytics
Cumulative Average Point: 4.47 / 5.00

Year	Level	Course Description	Grades
Aug – Nov 2016	Year 1/Semester 1	Programming Methodology	A
		Introduction to Business Analytics	S
		Matrix Algebra	A+
		Professional and Academic Communication	IP
		Understanding and Critiquing Sustainability	IP
		Principles of Marketing	S
Jan – May 2017	Year 1/Semester 2	Data Structures and Algorithms Accelerated	B+
		Data Management and Visualization	A-
		Professional and Academic Communication	A-
		Understanding and Critiquing Sustainability	S
		Quantitative Reasoning	S
		Calculus for Computing	S
Aug – Nov 2017	Year 2/Semester 1	Decision Making Methods and Tools	B-
		Independent Software Development Project (Orbital)	CS
		Principles of Economics	A-
		Operations Research I	A
		Probability and Statistics	A
		Communicating in the Information Age	S
Jan – May 2018	Year 2/Semester 2	Regression Analysis	In-progress
		Application Systems Development for Business Analytics	In-progress
		Strategic IT Applications	In-progress
		Operation Research II	In-progress
		Superhero Entertainments	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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