

# Elston Yu Xuan AW

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## Personal Statement

A Computer Engineering undergraduate from the National University of Singapore, I am looking for a year-long internship program to further my full stack development skills in a dynamic and vibrant company. I hope that by the end of the internship program, I would be able to bring by valuable contribution to the company that I have interned for, as well as to have a good team dynamic with fellow colleagues.

I have worked in a fast-paced time-sensitive environment previously, and I work well under pressure. Also, I pay attention to details in my work and ensure that every job is done to the required specifications. I value effective communication at work, and hence I would do my utmost to ensure that ideas and thoughts are communicated clearly and precisely with understanding before execution of tasks.

As for my weakness, I feel that sometimes I am too critical of my own work, and might feel that the work I have delivered would not be up to standards. I strive to achieve perfection and quality in the work done and hence might focus too much on the details instead. I am currently working on this so that I would not spend more time than necessary on the tasks at hand.

Prior to my admission to the university, I was studying at Anglo-Chinese Junior College for my pre-university education. After that, I was enlisted in the Republic of Singapore Navy for two years as an Administrative Specialist and a company trainer, where I created training plans and assisted with the training of new soldiers.

In January 2017 after my service, I worked as a transactional specialist in Arvato Digital Services, a global services company that provided support and managed contracts for Microsoft. I was taught how to use in-house customer relations management (CRM) tools to communicate with business partners, as well as skills on how to analyze large and important contracts with clients. The company was an Asia-Pacific hub, and hence I had a huge responsibility when vetting contracts as the contracts impacted businesses overseas as well. I took part in the quarterly closing in March as well as the annual closing in June 2017, where many major deals were closed with partners. My manager felt that I was learning fast enough to transfer me to another department to help out with the financial closing in June.

In university, I have been nominated to be a teaching assistant for two modules, CG1111: Engineering Principles and Practices I and CG2271: Real-time Operating Systems, as my professors felt that I had done well in the module, and I also had the passion to share my knowledge about the module with the newer batches of students. I was tasked to assist students with their weekly lab work, as well as mark lab reports and give timely feedback. I enjoyed teaching students as I felt that it was satisfying to see them understanding new concepts and get interested in the modules.

Recently, I have also taken up a front-end development role in Mobbin, a start-up that has collections of design patterns to help designers with their design research. The start-up uses React for its front-end platform. I assisted in the creation of new front-end assets, implementing designs from our designer's specifications, as well as assisted in the migration of data from the old to the new system. I enjoyed the process as I felt that it was very different from what I have learnt in school, that code I made impacted users and made their processes and workflows much smoother.

Personally, I enjoy challenges as I feel that it shapes me to be a better person, in terms of skills and personality. I also like to be out of my comfort zone and enjoy learning new things. I hope that through this internship, I can harness my true potential and skills to help companies that I work in the future.

## Education

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Aug 2017 - Present	<b>National University of Singapore</b> Bachelor of Computing (Honours) in Computer Engineering (Course details in Appendix A)	Singapore
Feb 2013 - Dec 2014	<b>Anglo-Chinese Junior College</b> Singapore-Cambridge General Certificate of Education Advanced Level	Singapore

## Work Experience

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Mar 2019 - Present	<b>Mobbin</b> <i>Software Engineering Intern</i> <ul style="list-style-type: none"><li>Created front-end assets in React to designer's specifications</li><li>Assisted with the migration of data from the old codebase to the new codebase</li></ul>	Singapore
Aug 2018 - Present	<b>National University of Singapore</b> <i>Teaching Assistant for CG1111 and CG2271 (Refer to Appendix A)</i> <ul style="list-style-type: none"><li>Assist students through weekly lab work</li><li>Mark lab reports biweekly, giving timely feedback for students.</li><li>Conduct tutorial sessions to reinforce on concepts taught during lecture.</li></ul>	Singapore
Feb 2017 – Jul 2017	<b>Arvato Digital Services</b> <i>Transactional Specialist</i> <ul style="list-style-type: none"><li>Handled large transactions for a major global technological company.</li><li>Used Customer Relations Management tools and in-house management tools to communicate with clients and handle transactions.</li><li>Took part in the annual closing in June 2017, to close many other major deals with partners.</li></ul>	Singapore

## Scholastic Achievements/Extracurricular Activities

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Feb 2019	<b>2<sup>nd</sup> ASEAN-India Youth Summit</b> Singapore Delegate <ul style="list-style-type: none"><li>Participated in the 2<sup>nd</sup> ASEAN-India Youth Summit as a representative of Singapore.</li></ul>	India
Jan 2017 – Jul 2018	<b>Singapore National Youth Chinese Orchestra</b> Member <ul style="list-style-type: none"><li>Performed in multiple concerts a year, including the annual concert 'Exuberance of Youth' series in July.</li></ul>	Singapore
Aug 2017 - present	<b>NUS Rock Climbing Club</b> Member <ul style="list-style-type: none"><li>Programs Lead for the club's climbing camp held in September 2018.</li></ul>	Singapore
Jan 2014 – Dec 2014	<b>Anglo-Chinese Junior College</b> <ul style="list-style-type: none"><li>Colours Award for leadership qualities.</li><li>Head of Musical Affairs for the school's Chinese Orchestra</li></ul>	Singapore

## Skill Sets & Proficiency

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<b>Multimedia</b>	Adobe Photoshop	Proficient
	Adobe Lightroom	Intermediate
	Figma	Intermediate
	Adobe Illustrator	Basic
<b>Web</b>	HTML, CSS	Proficient
	Node.JS	Intermediate
	React.JS	Intermediate
	Express.JS	Intermediate
	PHP	Basic
<b>Database</b>	PostgresQL	Intermediate
	MongoDB	Intermediate
	SQL	Intermediate
<b>Programming</b>	C	Proficient
	C++	Proficient
	Python	Proficient
	Java	Proficient
<b>Scripting</b>	JavaScript	Proficient
<b>Version Control</b>	Git	Proficient
<b>Hardware Design</b>	Microcontroller Programming	Intermediate
	Verilog	Basic
	Circuit Design	Basic
<b>Data Analytics</b>	Pandas	Intermediate
	matplotlib	Intermediate
	Seaborn	Intermediate
<b>Office Productivity</b>	Microsoft Word, PowerPoint, Excel, Publisher	Proficient
<b>Non-technical Skills</b>	Project Management	Intermediate
	Software Documentation	Intermediate

## Language Proficiency

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<b>Spoken</b>	English – fluent; Mandarin – fluent; Hindi – Basic
<b>Written</b>	English – fluent; Chinese – competent; Hindi – Basic

## Additional Information

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<b>Activities and Interests</b>	Rock Climbing, Diving, Kayaking, Swimming, Reading, Photography, Playing Board Games, Playing Strategy Computer Games, Designing Cards, Café Hopping, Reading Tech News
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**Degree:** Bachelor of Computing (Honours) in Computer Engineering  
**Cumulative Average Point: 4.35 / 5.00**

Year	Level	Course Description	Grades
Aug – Nov 2017	Year 1/Semester 1	CS1010: Programming Methodology	A+
		CS1231: Discrete Structures	S
		CG1111: Engineering Principles and Practices I	A-
		MA1511: Engineering Calculus	S
		MA1512: Differential Equations for Engineering	A-
		GER1000: Quantitative Reasoning	S
Jan – May 2018	Year 1/Semester 2	CS2040C: Data Structures and Algorithms	A-
		CG1112: Engineering Principles and Practices II	A-
		EE2026: Digital Fundamentals	A-
		MA1508E: Linear Algebra for Engineering	B+
		GEQ1000: Asking Questions	S
Aug – Nov 2018	Year 2/Semester 1	CS2102: Database Systems	B+
		CS2113T: Software Engineering & Object-Oriented Programming	B+
		CG2271: Real-time Operating Systems	B+
		CS2101: Communications for Computing Professionals	A-
		GEH1047: Social and Cultural Studies Through Music	B+
		LAH1201: Hindi 1	A-
		CP2106: Independent Software Development Project (Orbital)	S
Jan – May 2019	Year 2/Semester 2	CG2023: Signals and Systems	In-progress
		CG2027: Transistor-level Digital Circuits	In-progress
		CG2028: Computer Organization	In-progress
		ST2334: Probability and Statistics	In-progress
		GES1010: Nation Building in Singapore	In-progress
		LAH2201: Hindi 2	In-progress

## Projects

### 1. Hop Café App

Hop is a café finding application built in Swift for frontend and Express.JS for backend. It shows you the availability of popular amenities, as well as reviews from famous food bloggers.

### 2. Vincent to the Rescue

Vincent is an autonomous search and rescue robot. This robot was built to teach students about designing a complex computer engineering system, that facilitates information processing and features real-world interfacing.

### 3. JitHub - Personal Meeting Scheduler

JitHub is an application that saves your contacts and helps you schedule meetings through cross-checking the timetable of your group mates. JitHub was built in CS2113T Software Engineering module to teach students the principles of software engineering and Object-Oriented Programming in Java.

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#### 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