

student sharing: *business analytics (DISA)*



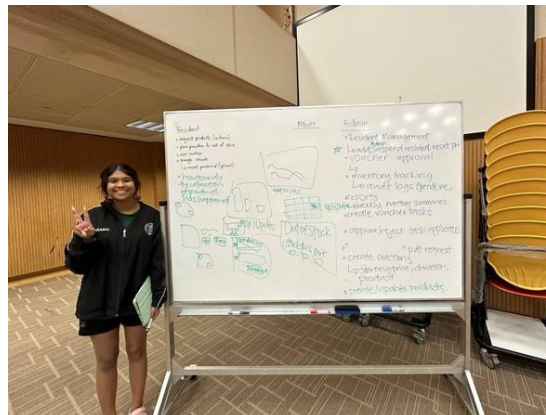
PARAMA ROY POJA

ACADEMIC DAY AY 25/26

who am i?

PARAMA ROY POJA

- Y3 BZA student
 - financial and machine-learning analytics specialisations
- (ex) student teaching assistant at SoC!
- currently interning as a software developer
- contact me!
 - telegram: @parmpara
 - email: parama.roy@u.nus.edu
 - linkedin: parama roy



what to do now?

STRESSED ABOUT UNIVERSITY?

- university starts in ONE month!!!
- learn computer programming NOW?
- figure out what courses i should take right NOW?

FIND YOUR FOOTING!

- don't panic just yet! university is usually quite chill
- you will go through multiple foundational programming / analytics - related courses that will help you gain more hands-on experience!
- SoC will pre-allocate most courses on your behalf in Y1, and there are recommended timetables as shared by our professors earlier!

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- **most importantly, this period is crucial in building a trusted social circle!**

freshmen activities!

ACADEMIC DAY



YOU ARE HERE!

FRESHMEN ORIENTATION WEEK



FRESHMAN FINALE CAMP



these are the ones that are still available and are hosted by soc! there are events hosted by other nus groups too!!

course planning & degree requirements

HOW DO I KNOW WHAT TO TAKE?

- early on, many of your core courses will be pre-assigned to you! meaning you don't have to bid for core courses during course registration.
- but later on, when you aim to take more courses outside of your major or courses related to specialisations, plan carefully!
- read up on your requirements and any additional information with regards to 2nd degree / 2nd major / minor / specialisation / internships / NOC / Capstone / FYP!!
- don't delay your graduation over a mistake!

DEGREE REQUIREMENTS:



Current StudentsMySoCNewsEventsAlumni

HomeAboutEducationCommunityResearchEntrepreneurshipIndustryGiving

Home » Current Undergraduate Students » Degree Requirements per Cohort » BA Cohorts » BA Cohort 2025/2026

Business Analytics Cohort 2025/2026

Overview

The Bachelor of Science (Business Analytics) degree programme is an inter-disciplinary undergraduate degree programme offered by the School of Computing with participation from the Business School, College of Design and Engineering, and College of Humanities and Sciences. This is a four-year direct honours programme which offers a common two-year broad-based inter-disciplinary curriculum where all students will read courses in Mathematics, Statistics, Economics, Accounting, Marketing, Decision Science, Industrial and Systems Engineering, Computer Science and Information Systems. Students in their third and fourth years of study may choose electives from two lists of either functional or methodological elective courses. Functional elective courses span business functions or sectors of marketing, retailing, logistics, healthcare, etc. Methodological elective courses include those related to big data techniques, statistics, text mining, data mining, social network analysis, econometrics, forecasting, operations research, etc. In sum, these elective courses span the most exciting and challenging areas of business analytics practice in the industry today.

Students with Grade Point Average (GPA) of 4.00 or higher may opt to replace Industrial Experience Requirement by BT4101 B.Sc. Dissertation. Students who aim for Honours (Highest Distinction) must pass the BT4101. Students with GPA of 4.00 or higher after completing at least 70% (i.e. 112 units) of the total unit requirement for the degree programme may opt to replace the Industrial Experience Requirement by BT4101 (12 units).

Note that the BT4101 project selection process takes place one semester ahead of the semester in which the students

BA Cohort 2025/2026

BA Cohort 2024/2025

BA Cohort 2023/2024

BA Cohort 2022/2023

BA Cohort 2021/2022

BA Cohort 2020/2021

BA Cohort 2019/2020

BAIS Cohort 2025/2026

Overview

The four-year Business Artificial Intelligence Systems (BAIS) programme aims to address the two significant trends of i) rapid adoption of Artificial Intelligence (AI) technologies across the economy and society, and ii) digital transformation among organisations being increasingly driven by AI and data. This interdisciplinary programme integrates computing, business, and management knowledge and skills to focus on AI solutioning, governance and management for businesses and organisations. It emphasises harnessing Infocomm technologies (ICT), AI technologies and data synergistically and seamlessly to solve real-world business problems with appropriate digital innovations and AI governance and management frameworks. The BAIS programme with its strong emphasis on full-stack AI solutioning will prepare students for careers that lie at the intersection of three tracks in the IMDA's (Infocomm Media Development Authority) Skills Framework for ICT, namely the Data and AI, Software and Applications, and Strategy and Governance tracks.

Students can also choose to specialise in the Artificial Intelligence (AI) Governance and Management Specialisation, in addition to the Digital Product and Platform Management Specialisation, or the Financial Technology Specialisation.

Students with Grade Point Average (GPA) of 4.00 or higher may opt to replace the Industry Experience Requirement with the CP4101 B.Comp. Dissertation.

Students who aim for Honours (Highest Distinction) must pass CP4101 B.Comp. Dissertation. In this regard, students with GPA of 4.00 or higher after completing at least 70% (i.e., 112 units) of the unit requirement for the degree programme may opt to replace the Industry Experience Requirement with CP4101 (12 units). Note that the CP4101 project selection process takes place one semester ahead of the semester in which the students commence CP4101. Thus, although students can tentatively select CP4101 projects, both the GPA (4.00 or higher) and unit completion (at least 112 units) requirements must be satisfied before they can commence CP4101 in lieu of the Industry Experience Requirement.

course planning & degree requirements

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NUSMODS:

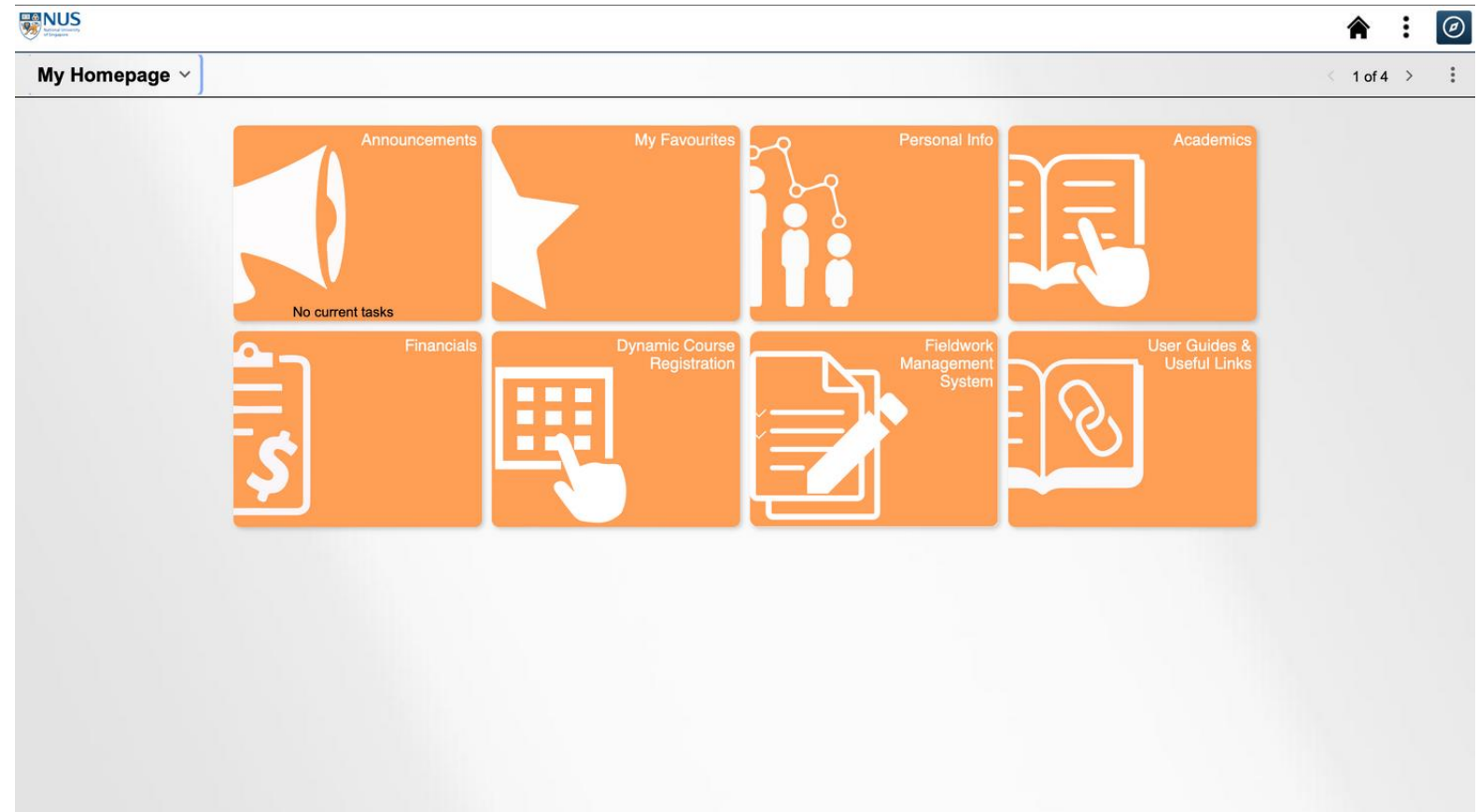
The screenshot shows the NUSMODS web application interface. At the top, there's a search bar and the text 'AY2024/25, Special Term II, Week 2'. A green notification banner at the top center reads: 'AY2025/26 courses now available! NUSMods now has AY2025/26 course information available. The data is accurate but subject to changes. If there are any discrepancies with course data, please contact your respective faculty's office. Happy new academic year!'. On the left sidebar, there are navigation links: 'Today', 'Timetable' (highlighted), 'Courses', 'Venues', 'Planner', 'Settings', 'Contribute', and 'Whispers'. The main area displays a timetable grid for 'Semester 1'. The grid has columns for course numbers (1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700) and rows for days of the week (MON, TUE, WED, THU, FRI). Below the grid, there are buttons for 'Vertical Mode', 'Show Titles', 'Exam Calendar', 'Download', 'Share/Sync', and 'Reset'. A text input field labeled 'Add course to timetable' is present, with the message 'No courses added.' below it. At the bottom, it shows 'Total Units: 0 Units' and a dropdown menu for 'Order' set to 'Exam Date'.

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EDUREC:



some important links

bza degree requirements: <https://www.comp.nus.edu.sg/cug/per-cohort/ba/ba-25-26/>

bais degree requirements: <https://www.comp.nus.edu.sg/cug/per-cohort/bais/bais-25-26/>

- curriculum changes per batch, make sure you are updated on the requirements for your **own** batch

course schedule: <https://www.comp.nus.edu.sg/cug/soc-sched/>

- details on which courses are available for that academic year, which professors are teaching them, and important information like examination dates

nus mods: <https://nusmods.com>

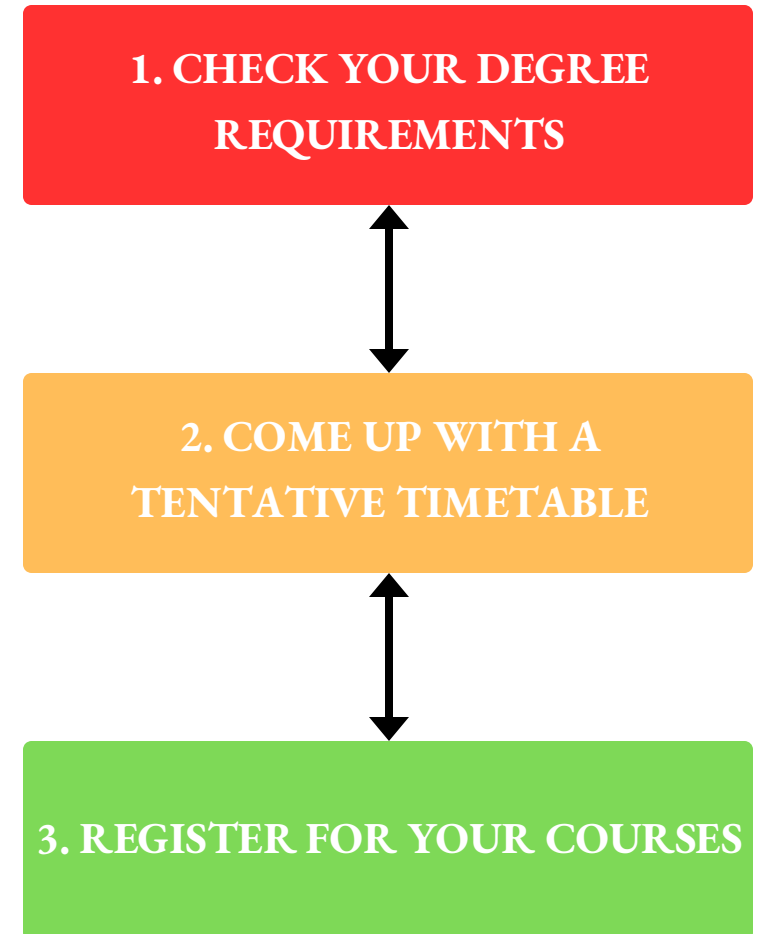
- very helpful and university supported timetable planner and scheduler, and you can pre-emptively read reviews on the courses.

education records system: <https://myedurec.nus.edu.sg>

- where you retrieve details regarding your academic journey, like grades or personal matters, and importantly where you register for courses and register for tutorials / labs / etc.

* this information is accurate as of 1 July 2025

THE PROCESS:



course planning & degree requirements

HOW DO PEOPLE TRACK?

- most people will create their own system to track and consolidate all information related to their graduation and journey through soc!
- some track assignments, grades, courses they intend to take, reviews etc
- find your own system!!

COURSES:

Year 1		Year 2		Year 3		Year 4	
BT1101	ACC1701X	BT2101	BT3102	BT4012 !!	BT4221 !!	GEC	BT4103
CFG1002 (2)	BT2102	CP2106	BT3103	CP3880	BT4240 / ML	GEN (2)	
CS1010A	CS2030	CS2040	BT4222		FIN !!	GES1035 / <u>GEES1025</u>	GEN (2)
GEX1015	IS2101	IS3103	CS1231		CS3243 !!	CS3240	IMD (CS)
IS1108	IS2218	IS4302	HSI1000			NM2207	IMD (NM)
MA1522	MA1521	ST2334	ST1131				
22	24	24	24	16	20	18	18
Total: 162 + 12 = 174 !! - move around as needed							
common: 36 (total: 40) core: 60 fin: 12 (total: 20) ml: 12 (total: 20) imd: 16 (total: 20) ue: 14				fin & ml: 8 imd & common: 4			

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GRADES:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	MODULES					GRADES	UNITS	GRADED UNITS	POINTS	GRADE POINT	S/U USED?	PS/U GRADES	PS/U UNITS	PS/U POINTS	PS/U GRADE
27															
28	ACADEMIC YEAR 2023/2024 SEMESTER 2														
29	ACC1701X ACCOUNTING FOR DECISION MAKERS						4	4			NO		4		
30	BT2102 DATA MANAGEMENT AND VISUALISATION						4	4			NO		4		
31	CS2030 PROGRAMMING METHODOLOGY II						4	4			NO		4		
32	IS2101 BUSINESS AND TECHNICAL COMMUNICATION						4	4			NO		4		
33	IS2218 DIGITAL PLATFORMS FOR BUSINESS						4	4			NO		4		
34	MA1521 CALCULUS FOR COMPUTING						4	4			YES		0		
35															
36															
37	GRADE POINT AVERAGE														
38	PS/U GRADE POINT AVERAGE														
39															
40	CUMULATIVE GRADE POINT AVERAGE														
41	CUMULATIVE PS/U GRADE POINT AVERAGE														
42															
43															
44	TOTAL GRADED UNITS														
45	TOTAL PS/U UNITS														
46	TOTAL UNITS														
47															
48	CUMULATIVE GRADED UNITS														
49	CUMULATIVE PS/U UNITS														
50	CUMULATIVE UNITS														
51															
52															
53	ACADEMIC YEAR 2024/2025 SEMESTER 1														
54	BT2101 ECONOMETRICS MODELING FOR BUSINESS ANALYTICS					R	4	4	3.5	14	NO	R	4	3.5	14

course planning & degree requirements

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ASSIGNMENTS:

course	assignment	marks	max marks	weight	score
cs1010a	participation	5	5	5	5
	coursemology	50	50	15	15
	midterm*	29.5	60	0	0
	practical exam	17.5	20	20	17.5
	final exam	83	100	60	49.8
	total			100	87.3

“hmm, can i do something outside of studies?”

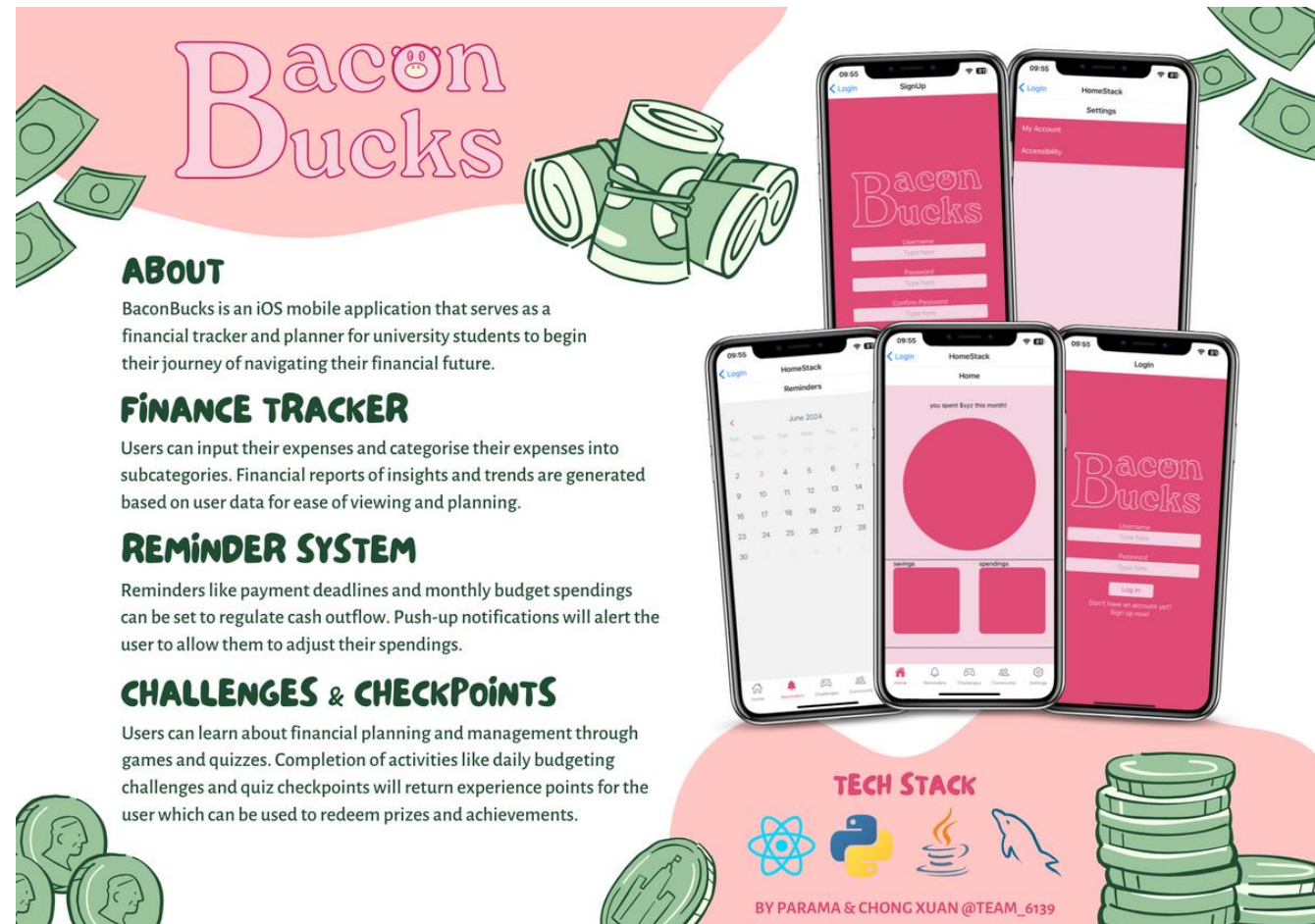
- you, probably

projects

ORBITAL / SELF - INITIATED PROJECT

- it is a software development project done in pairs
- usually only available during Y1 summer
- design your own project, can be a web, mobile, game, telegram bot etc.
- orbital proposals start mid Y1S2 so you should start thinking of your project idea and choosing a partner early!
- almost everyone does this, because you learn a lot, is very forgiving and looks very good on portfolio!

OUR POSTER:

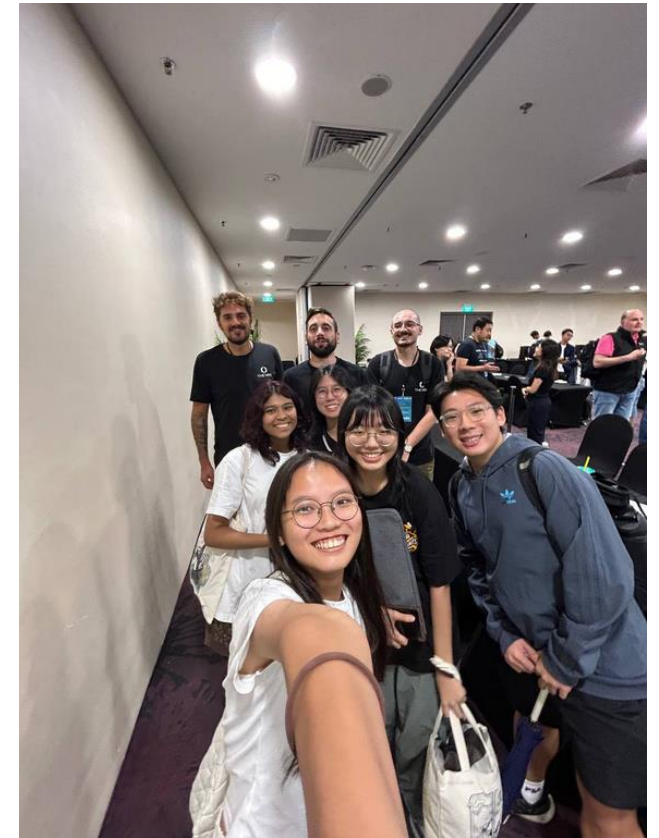


projects

HACKATHONS / DATATHONS

- put yourself through a high - intensity situation and see what you can create out of it!
- good starting point to jump into the industrial technical world out there
- get to see what other people are doing, talk to people in the industry and open up new opportunities
- a lot to gain, and little to lose :D

MY TEAM:



projects

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- get to see what other people are doing, talk to people in the industry and open up new opportunities
- a lot to gain, and little to lose :D
- you get better with each hackathon you go through!

MY TEAM:



“what about internships? am i cooked.”

- you, probably

internships

THE DOWNS

- the process of getting an internship can be difficult!
- expect to have to apply to many places, and to do extra practices to prepare for technical assignments
- you also should start applying up to 6 months before you intend to start! eg. if you intend to start in may, expect to start applying in jan. hopefully, you should receive an offer by latest march!

WHEN TO INTERN

1. summer: may - aug
2. winter: dec - jan
3. graded intern: may - nov OR jan - may
4. part-time during school

WHEN AM I READY?

- Y1s can intern! but it is typically harder to do so without prior experience (like Poly, or your own projects)
- usually Y2-3 is a good time to start exploring roles you might be interested in
- you should consider the balance between your internship and your studies

THE UPS

- intern teaches a lot, provides valuable experiences into industry standards and teaches you to be a better expert in your field



soc student TA opportunities

\$40 / HR !!

- a very fulfilling experience! i enjoy helping and engaging my students a lot
- depending on the course however, it can be a lot of workload and commitment, pick and apply wisely based on your responsibilities
- don't have to get A+ / A / A- necessarily, but you must have the passion, sometimes the students come before yourself.

MY CLASSES AND PARTNER TA:



school life

CCAS

- Developer Student Clubs (DSC)
- NUS FinTech Society
- Women in Tech (WiT)
- NUS Games Development Group
- NUS GreyHats
- NUS Hackers
- StartIT

VOLUNTEERING

- many volunteering student groups!



LEADERSHIP

- NUS Students' Computing Club



miscellaneous

TELEGRAM GROUPS

- @NUSOnTheMove: updates on transport-related matters
- @NUSguide: tips and tricks on how to survive university!
- @nusfoodies: discounts and promos around campus

FOOD AROUND COMPUTING

- Coolspot @ COM: best snack / mama shop run by the sweetest bro!
- The Deck @ FASS
- Frontier @ Science
- Techno Edge @ Engineering
- Terrace @ COM

STUDYING AROUND NUS

- UTown: Education Resource Centre
- FASS: Central Library
- Business: Hon Sui Sen Memorial Library
- COM: COM 1 Level B1 & 2

* all places have printers, but COM 1 has free printing for computing students

at the end of the day, it's your university journey –
chase memories not courses

Thank you!