

NUS COMPUTING INDUSTRY NEWSLETTER

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CLASS OF 2026

Alumni Spotlight



TURNING A PASSION FOR PROGRAMMING INTO A CAREER

When I applied to NUS, I was dead set on studying computer science. I'd discovered programming as a passion a couple of years earlier, and I wanted to find the hardest and most interesting problems to work on, whether that was in game development or algorithms. Once I got into the NUS Computer Science curriculum, I realised I enjoyed operating systems and low-level programming most, and I gravitated towards practical, hands-on courses such as parallel and concurrent programming (CS3211, my favourite course). At the same time, I'd always had a separate interest in finance, specifically the challenges of systematic trading. Using C++ to tackle some of the hardest problems in finance was the perfect intersection of everything I found exciting, and that's what drew me to companies such as Squarepoint. I was fortunate enough to receive an offer as a Software Developer Intern on the Risk PnL team. It was my first C++ internship, but with the mentorship of my manager and the rest of the team, I had a successful and fast-paced five-month journey working on some critical systems. Today, I work at Squarepoint as a C++ Software Developer on the Risk PnL team. My day-to-day involves building real-time systems that track PnL, trading positions, orders, and trades, as well as improving the services that feed instrument prices to all our trading desks.



MAKING AN IMPACT FROM DAY ONE

Squarepoint is the kind of place that isn't afraid to give you responsibility from the get-go. Even as an intern, I was given tasks that touched the production trading environment, which was daunting, but also incredibly rewarding. Naturally, I made mistakes along the way (like all interns since the beginning of time). What stood out to me was how Squarepoint handles that: instead of scolding you or sidelining you with less meaningful work, people take the time to explain to you what went wrong and how you can improve. It's a genuine no-blame culture, and everyone pitches in to help each other out.

A good example is my internship project on the Marking Service, which provides instrument prices across the firm. Sometimes instruments don't have a price for various reasons, and this prevents accurate PnL calculation. I developed a feature that automatically estimates a price for such instruments, so PnL calculations could run smoothly. That code is still in production today, helping Squarepoint calculate its daily PnL, which is cool to think about as a former intern.

Squarepoint also places a significant emphasis on continuous learning, which I really appreciate. There is a dedicated allowance for purchasing any books that might be tangentially relevant to your work, and we host talks from experts in the industry as well.

**EXPLORE
LEARN AND
FIND YOUR
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It definitely helps to be passionate about what you're doing, whether it's writing efficient C++ or having a keen interest in the business logic behind financial trading firms. When you enjoy the domain, it stops feeling like a tiring grind. It becomes easier to spend hours coding, or reading your favourite article about operating systems, or doing your interview prep. On the practical side, parallel programming, algorithmic thinking, familiarity with your language of choice (C++ / Python), a deep understanding of operating systems, and familiarity with Linux are all skills that are tested in Squarepoint interviews (because we use them every day).

But if I had to give one piece of advice, it would be to use the four years to actually explore your interests. For example, I joined NUS as a clueless Year 1 student, convinced I wanted to specialise in AI, until I realised that I find it quite boring. It was the Operating Systems course that made me realise that I love thinking about how a computer works under the hood, and that's what led me here. Before making up your mind about what you want to do, I'd recommend keeping an open mind, especially during the first couple of years of uni. Sometimes, it can feel like everyone around you has it figured out but take your time. It's worth it to find the niche that makes you excited to dig into something new.

Squarepoint is an NUS School of Computing iConnect Partner.



NUS Computing students recently had the opportunity to step into the world of Strategy and Product at Jane Street through an on-campus information session. Designed for students interested in exploring the intersection of technology, finance and business strategy, the session introduced the firm's Strategy and Product roles and offered a closer look at their unique nature.

Exploring Strategy and Product at Jane Street



Understanding the Role

Students gained insights into how Strategy and Product teams tackle challenging problems across different areas of the firm. The session offered a closer look at the breadth of the role and how it contributes to supporting Jane Street's business and growth.



Discovering New Career Pathways

Through the session, participants had a better understanding of career opportunities beyond more traditional technical roles and how different skills and interests can come together in Strategy and Product. It also gave students considering future opportunities at Jane Street a clearer picture of what a career in these areas entails.

Fueling Curiosity, Driving Innovation with SGInnovate



The World of Deep Tech

NUS Computing students joined SGInnovate for Fueling Curiosity, Driving Innovation, a session introducing them to the exciting possibilities within Deep Tech and the Summation programme. Participants learnt how Summation connects students with innovative startups across areas such as AI, robotics, quantum computing and cellular agriculture. The session also highlighted opportunities for students to contribute to innovative projects, apply their technical knowledge beyond the classroom and gain valuable industry exposure.



From Classroom to Industry

Students also heard a first-hand account from a current Summation Apprentice, who offered a glimpse into his work experience. Through the session, participants gained a better understanding of what a Summation apprenticeship can offer and the opportunities available to explore their interests in Deep Tech.



Coming Up: Summation for Postgraduate Students

Missed the earlier session? Summation will be back on 7 October with a session specially for postgraduate students! Discover the programme, hear more about opportunities with Deep Tech startups, and learn how you can gain practical exposure while contributing to innovative projects.

Sign up here!

Jane Street and SGInnovate are NUS School of Computing iConnect Partners.

Capstone Projects Proposal Schedule

Upcoming Proposal Submission

Visit [website](#) for detailed information.



Business Analytics (Undergraduate)

Students are expected to solve a real-world business analytics project proposed by a company which could include (but not limited to): data analytics, machine learning, design and development of interactive and performance dashboard, and data mining.



Structure	3 months group project with a company. Work to be done in NUS	
Company Submission Period	Nov 2026 - Dec 2026	Jun 2027 - Jul 2027
Project Period	Jan 2027 - April 2027	Aug 2027 - Nov 2027
Contact	dispsaa@nus.edu.sg	

Business Artificial Intelligence Systems (Undergraduate)

Students are required to develop a complete AI solution incorporating elements of data engineering, machine learning modelling, and software engineering to address a real-world problem. They will apply modern best practices, such as Agile methodology, DataOps, and MLOps, throughout the solutioning process.



Structure	3 months group project developing business AI system for company. Work to be done in NUS.	
Company Submission Period	Nov 2026 - Dec 2026	Jun 2027 - Jul 2027
Project Period	Jan 2027 - April 2027	Aug 2027 - Nov 2027
Contact	hsianghui@nus.edu.sg	wee-kek.tan@nus.edu.sg

Master of Computing - General Track

This capstone internship provides an opportunity for students to work on solving problems beyond the formal classroom setting.



Structure	4 months individual internship with a company
Company Submission Period	Nov 2026 - Mar 2027
Internship Period	Mid-May 2027 - Mid-Sep 2027
Contact	soc-capstone@nus.edu.sg

Visit [website](#) for detailed information.

Master of Science in Digital Financial Technology (MSc DFinTech)

The MSc DFinTech Capstone internship requires students to have experiential learning in academic research, translational research or software development.



Structure	4-6 months individual internship with a company
Company Submission Period	Nov 2026 - Mar 2027
Internship Period	Mid-May 2027 - Mid-Oct/Nov 2027
Contact	soc-capstone@nus.edu.sg

Visit [website](#) for detailed information.

LEVEL UP YOUR AI AND DATA SKILLS

Applied Machine Learning



Starts 25 Nov 2026 (Wed)
Duration: 2 Days

Essentials for AI-Ready Cyber Professionals



Starts 26 Nov 2026 (Thurs)
Duration: 2 Days

AI and Machine Learning Begins with Me



Starts 30 Nov 2026 (Mon)
Duration: 2 Days

AI for Sustainability: A Technology Perspective



Starts 2 Dec 2026 (Mon)
Duration: 2 Days

(SCTP) NUS Data Engineering Programme



Starts 15 Jan 2027 (Fri)
Duration: 14 Days

(SCTP) NUS AI Engineering Programme



Starts 19 Jan 2027 (Tues)
Duration: 13 Days

Explore all
upcoming courses



SCAN TO VIEW

Partner with Us

Joining the iConnect membership allows industry partners to:



01 Priority Access

Have priority arrangements at NUS School of Computing career fairs.

02 Student Outreach

Reach out to computing students through various channels (e.g. networking events, industry talks, workshops).

03 Seminars

Share insights and career opportunities through seminars at NUS School of Computing.



iConnect
SoC Industry Relations



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