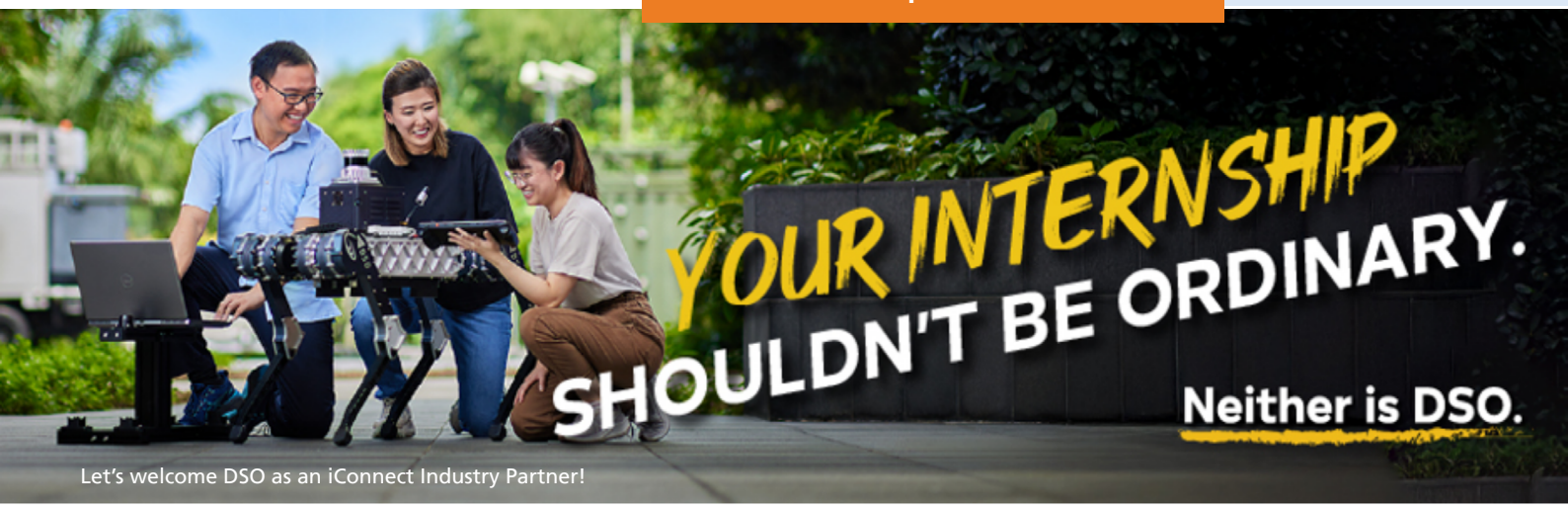
NUS National University of Singapore | Computing

NUS COMPUTING INDUSTRY NEWSLETTER

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Let's welcome DSO as an iConnect Industry Partner!

DSO NATIONAL LABORATORIES

Singapore's largest defence research and development organisation.

As a DSO Intern, you will be part of the action to develop technological solutions to sharpen the cutting edge of Singapore's national security.

Join us and turn your passion for innovation into purpose.

TAILORED, Not Typical

Every DSO Internship is specifically designed for the individual, tailored around your strengths and learning requirements to provide you with an enriching internship experience.

MEANINGFUL, Not Menial

Not only will you be learning from the best mentors in their respective fields, you'll also be applying your newly acquired knowledge to real and challenging projects, alongside like-minded peers.

JOB OFFER, Not Job Reference

Kick-start your passion in defence R&D and transform your internship experience into a full-time career at DSO. Be like many of our interns who have joined us to continue their internship research and transformed them into real solutions for the nation!

Protecting IoT Devices



Contribute to our nation's cybersecurity defence by uncovering potential vulnerabilities that can compromise commonly used devices so that we can better protect them.

Fake Speech Detection



Technology has enabled synthetic speech to sound increasingly human-like which increases threats like voice impersonation to access private accounts and fake news. Enhance our nation's security against such threats by developing an algorithm that can detect fake speech.

Meme Generation Application



Catch a glimpse into the life of a software engineer in AI developing an end-to-end automated meme analytics and generation system that incorporates a basket of state-of-the-art machine learning models and algorithms across Natural Language Processing and Computer Vision fields.

Applications for the DSO Internship Programme are open all year round. The minimum duration for internship is 2 months. Explore the full list of internship projects here and apply today.

Alumni Spotlight

HOUSING & DEVELOPMENT BOARD



JONAH TAN

SOFTWARE ENGINEER
CLASS OF 2023

APPLY FOR TECH ROLES AT HDB:

GO gov.sg

https://go.gov.sg/hdb-tech-careers-o

BUILDING TECHNOLOGY THAT MAKES A DIFFERENCE

My journey from NUS School of Computing to HDB was driven by a desire to work on meaningful, technically challenging problems. What attracted me most was the opportunity to build applications on a modern tech stack in a cloud environment and be involved across the entire software development lifecycle. From planning, development and testing to DevOps and deployment, I wanted to experience the full picture rather than just one slice of it. Joining HDB as a full-stack engineer gave me exactly that.

Today, my role involves developing and maintaining cloud-based applications that serve real users – members of the public who rely on these systems in their daily lives. These are Singaporeans from all walks of life who use these systems for their housing-related transactions – from applying for an HDB flat to managing their season parking. There is something deeply rewarding about seeing an application you helped build being used by so many people and realising your work has made it simpler and more accessible for them to use. Knowing that the applications I build have a direct impact on people's lives gives my work a strong sense of purpose.

INNOVATING, LEARNING AND GROWING AT HDB

My time at HDB has been marked by continuous learning and the opportunity to make a genuine difference in how we build and deliver software. One of the most fulfilling aspects has been modernising legacy systems by migrating them to newer, more efficient architectures. It's not just about keeping up with technology, but making systems more reliable and maintainable in the long term. HDB also encourages us to explore new approaches to system design and architecture, which has sharpened my thinking as an engineer.

More recently, I've had the opportunity to build AI tools that can support developers in their day-to-day work, an exciting frontier to explore. I've also worked on streamlining development processes and creating deployment automation to reduce manual effort and improve consistency across the team. These experiences have allowed me to work with emerging technologies while solving real engineering challenges.



Jonah with his Teammates

What has made these opportunities especially meaningful is HDB's culture. I've been encouraged to take initiative and given the freedom to experiment. There's also a strong culture of knowledge-sharing and collaboration, where colleagues are always willing to exchange ideas. These experiences have played a big part in helping me grow both as an engineer and as a person.

KEEP LEARNING, EXPLORE NEW POSSIBILITIES

My biggest piece of advice is to cultivate a genuine aptitude for learning, not just during your studies, but throughout your career. Technology moves fast, and the ability to pick up new tools, frameworks, and approaches will help you stay relevant and grow as an engineer. Don't wait until you feel completely ready before exploring opportunities. Some of the best learning happens on the job, when you're working on real problems that don't have textbook answers.

I'd also encourage SoC students to keep an open mind about building a tech career in the public sector, especially in an agency that isn't traditionally associated with tech like HDB. Since joining HDB, I've come to appreciate just how integral technology is to delivering our mission of housing a nation. I've worked on genuinely complex engineering challenges while contributing to something as personal and important as providing homes for Singaporeans. If you want your work to matter beyond the bottom line, a tech career at HDB is well worth considering.

HDB is an NUS School of Computing iConnect Partner.

Capstone Projects Proposal Schedule

Current 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 dashboards, 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.

Partner NUS Computing as a Donor

NUS National University of Singapore | Computing

The NUS School of Computing (SoC) is Singapore's top Computing School, and a leading Computing School in Asia and globally with a strong reputation for quality and excellence. SoC would like to invite individuals and organisations who share in our mission to shape the future of computing education, research and innovation, to partner with us as a donor, contributing to a cause that resonates with your organisation.

Your contributions can take the form of an

Expendable gift, where the gift sum is spent on the gift purpose; or

Endowed gift, where the principal donation is preserved and invested to earn returns to support the gift purpose.

Donations from Singapore companies may be eligible for a **2.5 times tax deduction.**

Gifts may also be eligible for matching grants from the Singapore government.

Giving Opportunities at a Glance

Scholarships (Merit-Based)

Attract and support the best and brightest Computing talents.

Naming Opportunity

Expendable gift	Endowed gift
S$50,000+	**S$150,000+**

Prizes

Recognise academic excellence and inspire students to aim higher.

Naming Opportunity

Expendable gift	Endowed gift
S$20,000+	**S$75,000+**

Bursaries and Financial Aid

Offer financial assistance to students from disadvantaged backgrounds.

Naming Opportunity

Expendable gift	Endowed gift
S$45,000+	**S$150,000+**

Scholarships (Merit-Based)

Scholarships are awarded to promising students in recognition of their academic excellence, leadership qualities and special talents and service.

Donated scholarships can be tailored to support a particular field, such as Artificial Intelligence, Information Security, or Business Analytics. You are welcome to discuss with us to specify the scholarship terms and award.

Prizes

Prizes recognise the academic achievements of top students in a course or programme. They inspire and motivate our students to aim higher and to reach for excellence.

SoC offers a range of undergraduate and graduate programmes and our course offerings span the range of Computing and Information Systems. There are opportunities to choose from programmes or courses in fields of interest to you or your organisation, for example, in Artificial Intelligence, Cybersecurity, Software Engineering, Computer Graphics and Games, Decision Science, Business Analytics, Information Systems and more.

Bursaries and Financial Aid

The need is real. One in five NUS Computing undergraduates qualify for means-tested financial aid. Nearly 30% of our financial aid applicants come from households with a monthly per-capita income of $750 or less.

Bursaries are awarded to students who, after receiving both government and NUS study loans, still require financial assistance. In absolute numbers, every year, more than 1,000 SoC students need bursary assistance.

We invite you to join us to support and uplift the next generation of SoC students who come from financially disadvantaged backgrounds.

Let's Build the Future Together

Do get in touch with Ms Rachel Tan, Head of Administration at rachelwytan@nus.edu.sg if you are keen to support any of the causes above, or if you would like to discuss other opportunities to partner us as a donor and to make a difference. We will be most happy to work with you, or with your CSR team.

LEVEL UP YOUR AI AND DATA SKILLS

NUS National University of Singapore | Computing

Build in-demand skills.
Stay ahead in a digital world.

AI and Machine Learning Begins with Me
Starts 8 Jan 2027 (Fri)
Duration: 2 Days

Generative Artificial Intelligence
Starts 14 Jan 2027 (Thurs)
Duration: 2 Days

Python Programming
Starts 7 Dec 2026 (Mon)
Duration: 3 Days

Role of Ethics in Artificial Intelligence
Starts 25 Jan 2027 (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

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

Find Out More