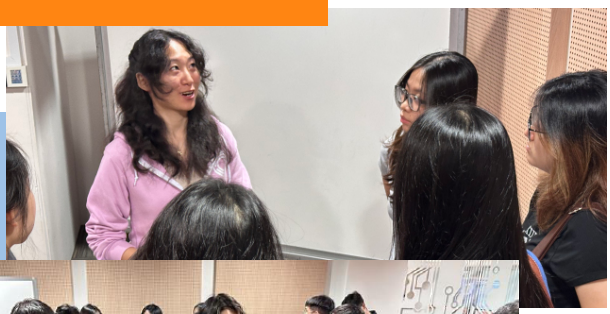
NUS National University of Singapore | School of Computing

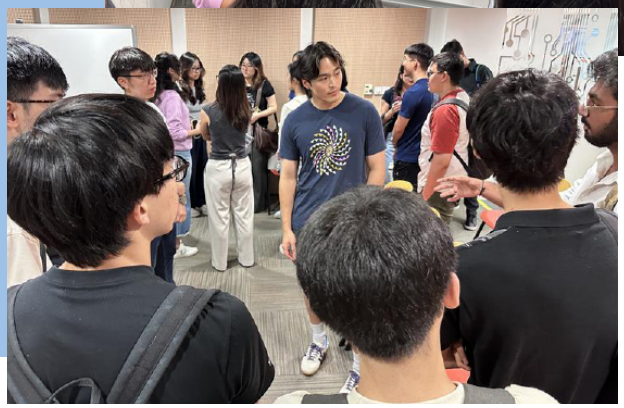
NUS COMPUTING INDUSTRY NEWSLETTER

ISSUE NO #39 | SEPTEMBER 2025

August Highlights - Industry Voices at SoC

Jane Street on Campus





Jane Street hosted two on-campus sessions for SoC students providing invaluable insights into their recruitment process and career opportunities.

The first session, «Streetology», offered practical advice on managing application timelines, meeting deadlines, and handling offers; designed to help students confidently navigate the interview process. The second session, «Get to Know Strategy & Product at Jane Street», provided insights into the intersection of technology, finance, and business strategy at the firm. Students learned how Jane Street tackles complex, cross-departmental problems to support their growth and gained a more holistic perspective of the business.

These sessions provided students with a comprehensive view of Jane Street, equipping them with the advice and first-hand perspectives they need to plan their future careers.

CSIT Networking Session

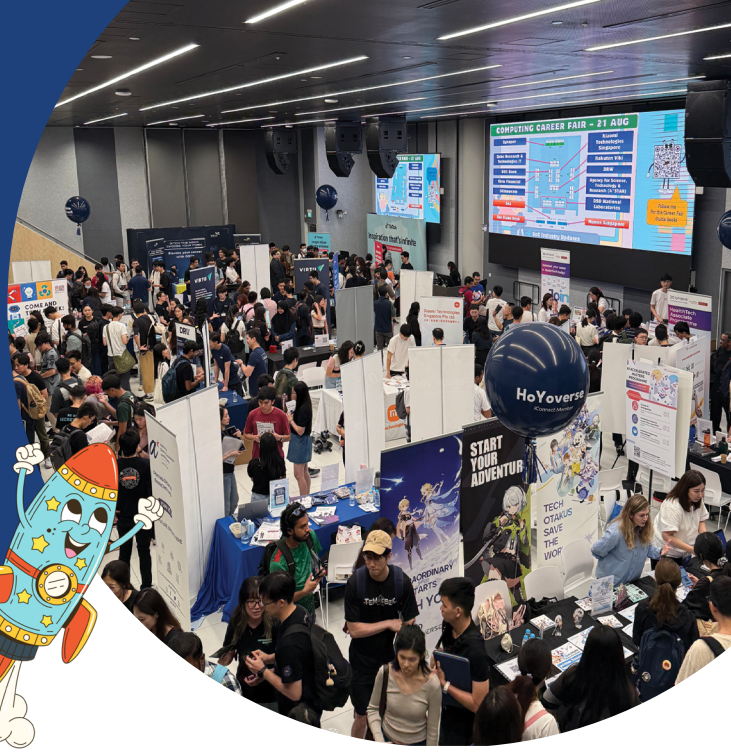
Students had the chance to engage with CSIT through a dynamic on-campus networking session. The event began with an introduction before transitioning into breakout group discussions. This format allowed students to interact directly with CSIT representatives on specific topics of interest, fostering more focused conversations.

Over light refreshments, students were able to exchange ideas, ask questions, and gain valuable insights into career opportunities and experiences at CSIT. The informal setting encouraged open conversation, helping students build meaningful connections while honing their networking skills. Students gained valuable perspectives for those considering a career in the industry.

NUS SoC Career Fair in Action!

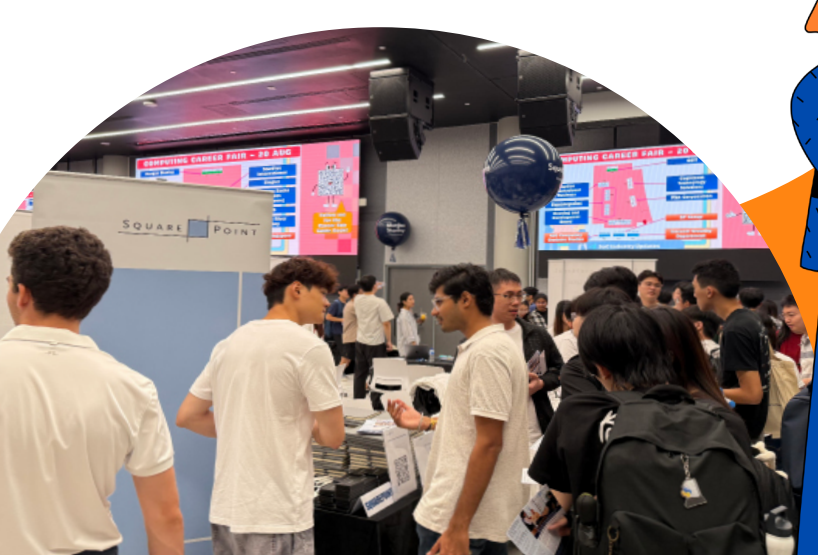
The NUS School of Computing Career fair, held on August 20-21, was a resounding success, connecting our talented students with over 50 top companies for networking and recruitment opportunities.

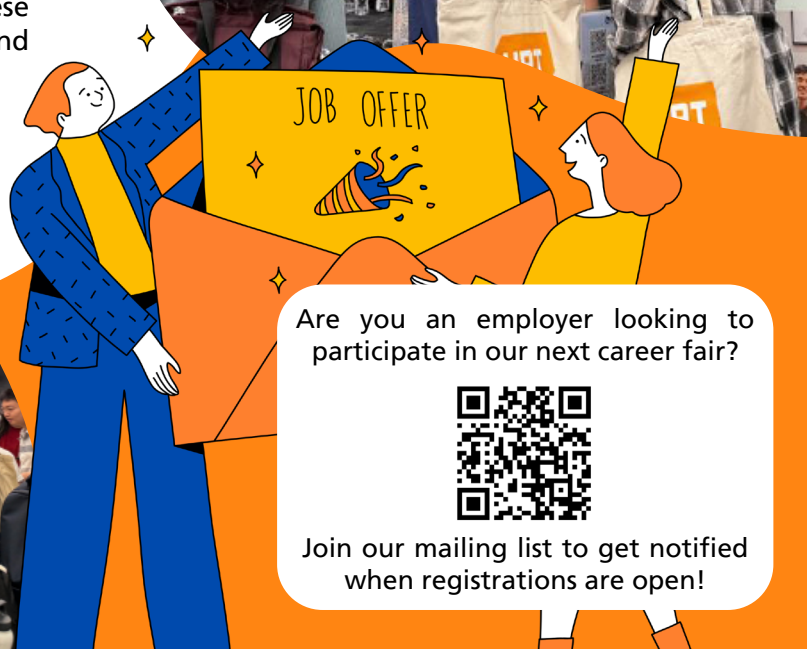
The event provided a valuable platform for students to engage directly with industry leaders and explore diverse career pathways in various sectors, including consulting, finance, government and technology, offering students insights into industry trends and future career pathways.



Students networked with top employers, securing internships and full-time roles. In return, employers had the exclusive opportunity to connect with the next generation of computing talent, eager to contribute their expertise.

We would like to express our deepest gratitude to our industry partners for making this year's career fair a tremendous success. Your commitment to our students is invaluable, and we look forward to building on these vital partnerships to create more collaborations and opportunities in the future.





Are you an employer looking to participate in our next career fair?

Join our mailing list to get notified when registrations are open!

RESEARCH SPOTLIGHT

Seeing Safety: How Augmented Reality Could Transform Drone Inspections Forever

Featured Faculty
Ooi Wei Tsang
Associate Professor

In a world where drones are becoming indispensable tools for infrastructure inspection, a recent study by Associate Professor Ooi Wei Tsang and Xu Peisen, in collaboration with Université de Toulouse was presented at the prestigious ACM Conference on Computer-Human Interaction (CHI) and awarded an Honourable Mention. This research goes beyond efficiency to tackle one of the biggest challenges in drone operations: **situational awareness and information overload.**

The researchers introduced **SafeSpect**, an adaptive augmented reality (AR) interface that revolutionizes how drone pilots interact with critical information during inspections. While much of the drone tech evolution has focused on automation and speed, **SafeSpect zeros in on the human operator, where often decisions are pressured, attention is split and safety is paramount.** With adaptive AR systems like SafeSpect, it could become the essential interface layer between human intuition and machine execution, alerting operators to edge cases, malfunctions, or ethical concerns while maintaining their situational command.

Read more:
https://www.comp.nus.edu.sg/features/augmented-reality-transform-drone-inspections/

Revolutionising 3D Modelling with Tetsphere Splatting: A New Era of Digital Geometry

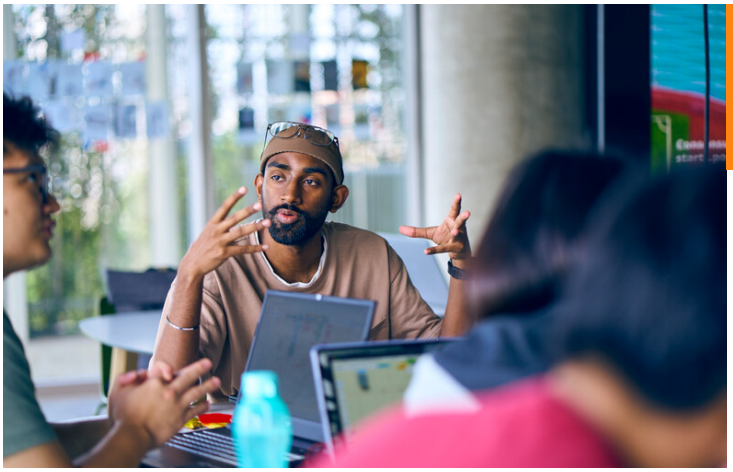
In the realm of digital design and visualisation, 3D modelling has become an indispensable tool. From video games to virtual reality, from architectural renderings to advanced manufacturing, the ability to accurately capture the shape and details of real or imagined objects has profound implications for countless industries.

Tetsphere Splatting, a cutting-edge research approach developed by Assistant Professor Wang Bohan, that promises to transform how we build, manipulate, and perfect 3D models. Their paper, entitled “Tetsphere Splatting: Representing High-Quality Geometry with Lagrangian Volumetric Meshes”, was accepted for presentation at the 2025 International Conference on Learning Representations (ICLR 2025). This approach addresses fundamental challenges that have long plagued traditional 3D modelling methods, particularly the **problem of modelling 3D objects with arbitrary topology while still preserving high quality and fine-grained detail.** As we move towards a world that blends the digital and physical realms more seamlessly, through advancements like 3D printing, VR, AR and complex simulations, technologies like Tetsphere Splatting can help catalyse this transformation.

Read more:
https://www.comp.nus.edu.sg/features/revolutionising-3d-modeling-with-tetsphere-splatting/

Featured Faculty
Wang Bohan
Assistant Professor

New Computing Internship Programme



Digital Transformation Leadership Programme

The Digital Transformation Leadership Programme (DTLP), course IS4010 is a unit-bearing full-time internship programme that is offered twice a year for **students from these programmes**:

- Bachelor of Computing in Business Artificial Intelligence Systems/Information Systems
- Bachelor of Science in Business Analytics

About the course

The aim of this course is to develop future digital transformation leaders through an experiential learning journey, combining seminars led by faculty and industry experts with a six-month, student-led digital transformation project internship.

The next internship period will be happening 5 Jan 2026 to 19 June 2026. Employers can now submit internship postings from **14 July 2025 to 31 October 2025.**

Information about DTLP | **Guide for Employers**

New Computing Degree Programmes

BComp in Artificial Intelligence

The Bachelor of Computing in AI (BComp AI) programme is a variant of Bachelor of Computer Science (BComp CS) programme with a dedicated focus on AI technologies.

While similar to BComp CS, the programme ensures that students complete the majority of the AI technology modules offered by School of Computing prior to graduating.

BComp in Business Artificial Intelligence Systems (BAIS)

The Bachelor of Computing in Business Artificial Intelligence Systems (BComp BAIS) replaces the Bachelor of Computing in Information Systems degree (BComp IS) programme by incorporating sufficient AI components into the curriculum.

Through this programme, students are equipped with the skills necessary to do strategic thinking, design, execution, and management of business processes using advanced AI technologies.

Capstone Projects Proposal Schedule

Master of Computing – General Track

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

4 months individual internship with a company

Company submission period: Nov 2024 - Mar 2025

Internship period: **Mid-May - Mid-Sep 2025**

Contact: gt-capst@comp.nus.edu.sg

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.

4-6 months individual internship with a company

Company submission period: Nov 2024 - Mar 2025

Internship period: **Mid May - Mid-Oct/Nov 2025**

Contact: msc-dft-capstone@comp.nus.edu.sg

Master of Science in Business Analytics (MSBA)

The industry-linked professional consulting capstone project requires students to analyse and provide solutions to today's real-world business analytics problems.

4 months individual project with a company

Company submission period: Jan - Apr 2026

Project period: May - Aug 2026

Contact: MSBA@nus.edu.sg

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.

3 months group project with a company. Work to be done in NUS

Company submission period: Nov - Dec 2025
Jun - Jul 2025

Project period: Jan - April 2026
Aug - Nov 2025

Contact: shalinda@comp.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.

3 months group project developing business AI system for company. Work to be done in NUS.

Company submission period: Nov - Dec 2025
Jun - Jul 2025

Project period: Jan - April 2026
Aug - Nov 2025

Contact: tanwk@comp.nus.edu.sg (Aug-Nov term); hsianghui@nus.edu.sg (Jan-April term)

NUS | Computing
National University of Singapore

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- AI and Machine Learning Basics
- Business Analytics
- ChatGPT, Advanced Chat Models, and Generative AI
- Digital Product Management

Contact us for more details
soc-ace@nus.edu.sg

Funding Options Available
(Terms and Conditions Apply)

Partner with Us

Join our exclusive industry programmes to connect with students and explore cutting-edge research collaboration.

01 iConnect Membership

Priority Access

Have priority arrangements at NUS School of Computing career fairs.

Student Outreach

Reach out to computing students through various media (e.g interactive TVs placed at strategic locations in the school, online platforms and social media).

Seminars

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

02 Research Membership

Knowledge Sessions

Invitations to exclusive talks on emerging themes in technology, keeping your organisation informed and ahead.

Technical Workshops

Upskill your team: access to customised technical workshops designed and delivered by our experts.

Co-Hosted Workshops

Opportunities to collaborate with SoC on tailored half-day workshops, exchanging research ideas and partnership possibilities.

iConnect
SoC Industry Relations

iConnect | Research

Find Out More