



NUS COMPUTING INDUSTRY NEWSLETTER

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Your Next Quest Begins With Hoyoverse!

Join us in welcoming HoYoverse as they embark on a new journey in the iConnect community!

HoYoverse is a global interactive entertainment brand behind some of the world's most iconic games, including Genshin Impact, Honkai: Star Rail, Honkai Impact 3rd, and Tears of Themis. With offices in Singapore, Montreal, Los Angeles, Tokyo, and Seoul, HoYoverse is committed to delivering immersive virtual experiences to players worldwide.

At its core, HoYoverse combines cutting-edge technology with creative storytelling, supported by deep in-house R&D efforts across AI, cloud gaming, and rendering. This unique approach drives the company's mission to build rich, interactive worlds that inspire and connect global audiences.



OUR SINGAPORE OFFICE



HELLO FROM HOYOVERSE SINGAPORE!

Company Culture & Values

HoYoverse fosters a dynamic, forward-thinking, and globally minded work environment. The company places a strong emphasis on innovation, autonomy, and collaboration. Teams operate with a flat structure, allowing individuals to take ownership of their work while contributing to ambitious, large-scale projects.

The Singapore office—its first in Southeast Asia—is known for its inclusive and flexible workspace, offering modern facilities, diverse teams, and a culture that values curiosity, technical depth, and creativity.

While the pace is fast and expectations are high, employees are drawn to the exciting challenges, top-tier talent, and the opportunity to shape beloved products that resonate with millions worldwide.

HoYoverse is passionate about nurturing emerging talent and welcomes students and graduates who are eager to grow, innovate, and build the future of interactive entertainment.



RESEARCH SPOTLIGHT



Featured Faculty

Abhik Roychoudhury
Provost's Chair Professor

The Future of AI in Software Development: How AutoCodeRover is Changing the Game

Artificial Intelligence is transforming every industry, and software development is no exception. AI has already made its mark through tools like GitHub Copilot, which assists developers in writing code by predicting and generating suggestions as they type. These tools are making the development process faster and more accessible, but the latest breakthrough in AI-powered software engineering takes things to a whole new level. Developed by Professor Abhik and his team, **AutoCodeRover** is an AI system that not only writes code but also understands, improves, and debugs existing codebases.

As Professor Abhik explains, “By automating routine tasks, AutoCodeRover enables developers to dedicate more time to innovation and creative problem-solving, accelerating the delivery of high-quality applications.” This spin-off technology has been acquired by Sonar, the leading provider of code quality and code security solutions, highlighting the real-world impact of NUS’ research.

Read more: <https://www.comp.nus.edu.sg/features/ai-in-sw-development-autocoderover/>

A New Grasp on Robotics: Teaching Robots to Hold the Future

Walk into any modern warehouse or high-tech factory and you’ll find robots moving with impressive precision. Despite decades of progress, robots still have trouble with what might seem like a simple task: grasping objects as reliably and flexibly as a human hand.

Introducing D(R, O) Grasp: A Unified Approach that promises to bring human-like dexterity within reach of robotic hands. It combines deep learning with a novel spatial representation that allows robots to learn grasping strategies that are fast, accurate, and critically, generalizable across different robot hands and objects. The core idea is deceptively simple: instead of focusing only on the object or only on the robot, D(R, O) Grasp looks at the relationship between the two.

This technology, pioneered by Professor Lin Shao and team, is well-positioned to feed into advanced pilot projects in smart factories, biomedical labs, and even hospital logistics in Singapore. Moreover, Singapore’s high robot adoption, spurred by ageing workforce challenges, **offers an ideal proving ground for deploying cross-embodiment, generalizable robotic grasping in real-world environments.**

Read more: <https://www.comp.nus.edu.sg/features/teaching-robots-to-hold-the-future/>



Featured Faculty

Lin Shao
Assistant Professor

Sign Up Now! NUS SoC Career Fair August 2025



SoC's semestral Career Fair is back! If you're an employer interested in connecting with our talented computing students, secure your spot now—only a few booths left! Visit our website for more details on participation and pricing.

Register Now

Visit our Website

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 2025

Project period: **May - Aug 2025**

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: ★ **Jun - Jul 2025**
Nov - Dec 2025

Project period: Aug - Nov 2025
Jan - April 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: ★ **Jun - Jul 2025**
Nov - Dec 2025

Project period: Aug - Nov 2025
Jan - April 2025

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



Platinum Sponsor

Websparks is a Singapore-based digital agency specializing in crafting impactful online experiences. They offer a comprehensive suite of services, including web design and development, e-commerce solutions, and digital marketing, helping businesses establish a strong and effective online presence.

Be a Sponsor!

Platinum (\$20K)

- Anniversary Dinner (1 Table)
- Complimentary Booth at SoC Career Fair (Aug/Sep 2025)
Worth \$5k
- Monthly Publicity in SoC newsletter until Aug 2025
- Logo on website (hyperlink to sponsor's company) and dinner backdrop (Top Line)
- Mention of sponsor at dinner
- Acknowledgement on SoC social media (FB & IG)

Gold (\$15K)

- Anniversary Dinner (6 Seats)
- Complimentary Booth at SoC Career Fair (Aug/Sep 2025)
Worth \$2k
- Monthly Publicity in SoC newsletter until Aug 2025
- Logo on website (hyperlink to sponsor's company) and dinner backdrop (Prominent)
- Mention of sponsor at dinner
- Acknowledgement on SoC social media (FB & IG)

Silver (\$10K)

- Anniversary Dinner (4 Seats)
- Monthly Publicity in SoC newsletter until Aug 2025
- Logo on website (hyperlink to sponsor's company) and dinner backdrop (Regular)
- Mention of sponsor at dinner
- Acknowledgement on SoC social media (FB & IG)

In-Kind (\$1K<\$<\$<\$10K)

- Mention of sponsor at dinner
- Acknowledgement on SoC social media (FB & IG)



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Data Analytics



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FinTech



Internet of Things



And more...

Contact us for more details



soc-ace@nus.edu.sg

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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

Upcoming Events for Industry Members

21 and 22 August 2025, 9am - 4pm

The Transformative Power of Generative AI:

*The Fundamental concept of
Generative AI (Session 1)*



Registration closes
on 18 July 2025!



18 November 2025, 9am - 4pm

Computing Industry Demo Day with panel discussion



Mark your calendars, more
details will be shared soon!

STAY TUNED FOR MORE!

Tentative Workshops Line Up - Q4 2025
& Q1 2026 on the following:

Revolutionizing
Language modeling with
transformer (Session 2)

Data
Science

AI in
Cybersecurity

Revolutionizing
how we write
documents
(Session 3)

Learn more about our
Membership today to unlock
exclusive benefits! For more
information, please contact
shiyun_phuan@nus.edu.sg.

The Transformative Power of Generative AI: The Fundamental concept of Generative AI (Session 1)

21 - 22 August 2025
9am - 4pm
NUS, School of Computing, COM3

Workshop Instructor:

Dr Amirhassan Monajemi
Senior Lecturer, NUS School of Computing
<https://www.comp.nus.edu.sg/cs/people/amir/>



By the end of this 2-day Hands-on Technical Workshop,
participants will be able to:

- Understand the Core Principles of Generative AI
- Recognize Real-World Applications of Generative AI
- Familiarize with Generative AI Tools and Platforms
- Analyze Gen-AI's Ethical, Legal, and Societal Implications
- Develop Critical Skills for Working with Generative AI
- Forecast Future Trends in Generative AI

Exclusive for
Industry
Members

Pre-requisites

- Few years of working experience
- Background in computing will be helpful but not mandatory



Registration opens from 1 July 2025 to 18 July 2025.

For registration, please contact shiyun_phuan@nus.edu.sg.