NUS COMPUTING
INDUSTRY NEWSLETTER

NUS | School of Computing
National University of Singapore

ISSUE NO #14 | AUGUST 2023

Highlights

iConnect Member Spotlight: Jane Street

Jane Street®

Jane Street works differently. We are a quantitative trading firm active on more than 200 trading venues across 45 countries. As a liquidity provider and market maker, we help form the backbone of global markets. Our approach is rooted in technology and rigorous quantitative analysis, but our success is driven by our people.

We are always recruiting top candidates and we invest heavily in teaching and training. The environment at Jane Street is open, informal, intellectual and fun. People grow into long careers at Jane Street because there are always new and interesting problems to solve, systems to build and theories to test. More than twenty years after our founding, it still feels like we're just getting started.

Stay in the know on all things Jane Street at https://www.janestreet.com/

Note: This article was submitted by Jane Street
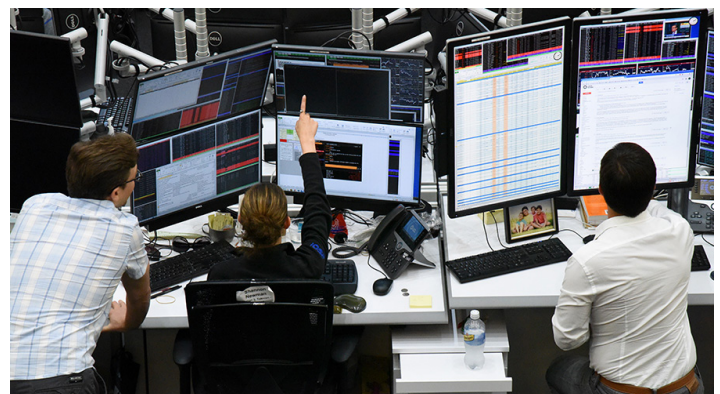

Jane Street Alumni Talk

Join NUS SoC alumni for an informative look into the world of trading and technology at Jane Street, as both quantitative traders and software engineers!

No background in finance is required to join this event or apply for our internships. If you have an inquisitive mind and a collaborative spirit, we have a feeling you'll fit right in.

Date: Thursday 7 September 2023

Time: 12:00pm - 2:00pm

Location: SoC Cerebro (COM1-02-05)

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 2022 - April 2023

Internship period: May - Sept 2023

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 2022 - April 2023

Internship period: May - Sept/ Nov 2023

Contact: msc-dft@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. Work to be done in NUS

Company submission period: Jan - April 2023

Project period: May - Aug 2023

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: **June - July 2023**
Nov - Dec 2023

Project period: **Aug - Nov 2023**
Jan - April 2024

Contact: shalinda@comp.nus.edu.sg

Information Systems (Undergraduate)

Students are required to develop a business information system by completing an entire Systems Development Life Cycle (SDLC) which includes gathering requirements, analysing requirements, designing the system (both software and hardware), implementing and deploying the system.

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

Company submission period: **June - July 2023**
Nov - Dec 2023

Project period: **Aug - Nov 2023**
Jan - April 2024

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

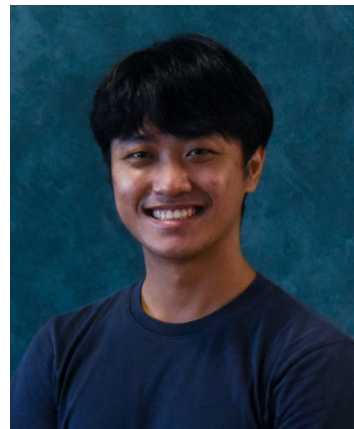## SoC Career Fair is happening on the 29th and 30th August 2023

As the new semester begins, the NUS School of Computing is organising the second Career Fair of the year. The upcoming fair will take place on the 29th and 30th of August 2023. For more information please visit https://careerfair.comp.nus.edu.sg/.

For more details on the student profile attending the fair, please refer to https://blog.nus.edu.sg/computingcareerfair/our-students/.

Companies still interested in participating in the coming career fair can register at https://blog.nus.edu.sg/computingcareerfair/ .

Fueling Success through Lifelong Learning: Embracing Continuous Growth and Innovation with ACE

By Lai Hoi Bing

When I first joined Envision Digital International as a Product Designer, I began to understand the complicated process behind the adoption of digital solutions and why some businesses might be resistant to adopting them.

In 2022, I came across the Professional Certificate in Digital Transformation offered by the Advanced Computing for Executives (ACE) programme at the NUS School of Computing through their social media. The professional certificate delves into topics such as digital marketing, e-commerce, and digital technology.

The course provided me with a broad overview of digital technologies such as Robotic Process Automation, workflow management, and cloud productivity solutions. It was very helpful in equipping me with an understanding of my clients' thought process when deciding on the best solutions.

Learning while working was definitely a challenge but the remote learning platforms made it possible for me to balance work, family and studies. I worked on my coursework while commuting and we used digital collaborative tools like breakout rooms and Miro, a virtual collaboration platform for teams, for group work and hands-on practices.

Through this experience, I have learned that upgrading my skills and knowledge is key to staying competitive and providing value to my clients. I am planning to continue my learning journey by taking new courses and keeping up with industry trends.

Transforming Services and Businesses in the Digital Era

In today's rapidly-evolving business landscape, technology plays a pivotal role in enabling organisations to create innovative and personalised services that cater to the ever-changing needs and preferences of customers. By taking a systemic perspective to examine their service delivery processes, organisations can better leverage technologies such as AI, data analytics, and digital platforms to deliver seamless customer experiences.

Eager to expand knowledge and expertise in the fields of service systems, analytics, and digital innovation governance? The Professional Certificate in Technology-Enabled Service Innovation and Digital Innovation Leadership is carefully designed to equip students with the essential skills and knowledge needed to thrive in the digital era.

Throughout the programme, students will acquire the following competencies:

•	Analysing service process inefficiencies and designing technology-enabled service innovations

•	Mastering the application of business analytics to enhance service delivery and leveraging data mining techniques to optimise service processes

•	Gaining an understanding of the strategic and operational aspects associated with governing, implementing, and leading digital innovation initiatives.

For more details, visit:

https://ace.nus.edu.sg/professional-certificate-in-technology-enabled-service-innovation-and-digital-innovation-leadership/

NUS
National University of Singapore

Advanced Computing for Executives
School of Computing

Professional Certificate in

Technology-Enabled Service Innovation and Digital Innovation Leadership

A/Prof Oh Lih Bin
Associate Professor
Deputy Head
(Teaching and Degree Programmes)
Department of Information
Systems and Analytics
NUS School of Computing

Technology-Enabled Service System Design
18 to 21 Oct 2023
Online

Service Analytics and Process Mining
30 and 31 Oct 2023
Classroom

Digital Innovation Governance and Leadership
6 and 7 Nov 2023
Classroom

CONNECT WITH US

https://iconnect.comp.nus.edu.sg

NUS National University of Singapore | School of Computing

iConnect SoC Industry Relations