

INDUSTRY NEWSLETTER

ISSUE NO #13 | JULY 2023

Highlights

iConnect Member Spotlight: TikTok



About TikTok

TikTok is the leading destination for short-form mobile video. Our mission is to inspire creativity and bring joy.

TikTok has global offices including Los Angeles, New York, London, Paris, Berlin, Dubai, Mumbai, Singapore, Jakarta, Seoul, and Tokyo.

TikTok is now available in over 150 markets and in 75 languages. It is a place where everyone belongs - regardless of nationality, ethnicity, gender or socio-economic levels - and offers a vibrant buzzing atmosphere that celebrates trends and embraces diversity.

TikTok has become a marketplace for ideas around the globe, transcending boundaries to create a diverse hub of content.

TikTok's Culture

At TikTok, our people are humble, intelligent, compassionate and creative. We create to inspire - for you, for us, and for more than 1 billion users on our platform. We lead with curiosity and aim for the highest, never shying away from taking calculated risks and embracing ambiguity as it comes.

Here, the opportunities are limitless for those who dare to pursue bold ideas that exist just beyond the boundary of possibility.

Tech immersion program

On 15 May, we officially launched our Tech Immersion program. This is TikTok's flagship annual technical training bootcamp for local tertiary students (university and polytechnic level), supplementing the school curriculum and developed in-house by the technical team and delivered by our engineers.

At the program launch, we announced our commitment: over 5 years, to educate and equip 5,000 tertiary students with real-world scenarios and application into popular coding languages and global architecture, preparing them for a meaningful career in tech.



Internship/ grad opportunities

Our graduates are empowered to pursue bold ideas that exist just beyond the boundary of possibility.

Note: This article was submitted by TikTok

Graduate Feature



Kerryn Eer

*Software Engineer,
Product RD and
Infrastructure Global
E-Commerce Data
Intelligence*

NUS Computer Science
Class of 2021

NUS Merit Scholar

My job

As a member of the team responsible for developing data analytics and data-empowered platform capabilities across Global E-Commerce platforms, my daily responsibilities entail working closely with cross-functional partners such as Product Managers, UI developers, Data Engineers, Test Engineers, Frontend and Backend engineers.

Together, we aim to build and deliver useful, innovative, and intuitive features that enhance the user experience of both TikTok Shop website and mobile applications for sellers.

We recognise the importance of delivering not only a seamless user experience but also a high-end system that is highly secure, scalable, and easy to maintain. As such, we strive towards creating a data-empowered platform that will help drive growth for sellers, enhance their productivity, and improve their overall sales performance.

My happiest moment at work

One of my happiest moments at work was engaging in technical discussions with my colleagues. It was incredibly satisfying for me to bounce ideas and approaches off of one another, pooling our collective knowledge and expertise to arrive at the most feasible solution.

I especially enjoyed the whiteboard sessions, where we could deep dive into various technical approaches and evaluate every aspect from system architecture to logic and code implementation. Overall, this experience greatly contributed to my sense of fulfillment and satisfaction at work.



Liaw Siew Yee

*Software Engineer,
TikTok Social Messaging
Android*

NUS Computer Science Class
of 2022

My job

As an Android engineer of the TikTok messaging team, I work with various teams including the iOS and backend team, as well as the product team to build messaging products that facilitate meaningful user connections.

Besides business products, my team also work on optimisations that streamline and improve the quality of the messaging system. We seek to make these improvements in our system to help users better connect and share the things they care about.

My happiest moment at work

One of the biggest perks of working as a mobile engineer for an application used by many acquaintances is the satisfaction of seeing them use the features I've developed. One of my happiest moments at work occurred when a feature that I worked on was finally released to the Play store. Having overcome the different technical challenges and seeing the feature being used by others to connect is deeply satisfying.

Application period

- Submit online applications via <http://careers.tiktok.com/campus>
- Candidates can apply to a maximum of two positions

Annual core application periods

- Graduate jobs: August to March
- Internships: August to March

Note: Supplementary positions will be made available on our career portal on an ongoing basis

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)



Mark your calendars! The next SoC Career Fair is set in August



Calling all potential employers, the NUS School of Computing (SoC) Career Fair will be happening on 29th and 30th August 2023.

Registration for the event is now open, head over to <http://blog.nus.edu.sg/computingcareerfair> to register your attendance now. More information on the different tiers and prices are available on the website.

Registrations end on 11th August 2023 or when all booths have been taken. We look forward to hosting you at the Career Fair!

Get to know: Singapore Blockchain Innovation Programme



The Singapore Blockchain Innovation Programme (SBIP) is a nationwide initiative hosted by the School of Computing at the National University of Singapore (NUS). Supported by the National Research Foundation (NRF) and in collaboration with government agencies, higher learning institutes, and industry leaders, SBIP drives blockchain technology and innovation in Singapore.

Our mission is to promote blockchain adoption, grow the talent pool, and develop next-generation solutions. Join our membership programme to access our R&D capabilities and contribute to the blockchain ecosystem. Explore our technical community, ongoing research, proof-of-concept initiatives, and engagement events.

We invite investors and companies for spin-off opportunities and beta/pilot testing in projects like Verazt, IP8Value, and TezSign. <https://sbip.sg/#projects>

Connect with us on our website and social media platforms to stay updated and be part of our journey in shaping the future of blockchain technology. www.sbip.sg or contact@sbip.sg

INDUSTRY DEMO DAY 2023

DATA SCIENCE IN PRACTICE

25 July 2023, 9am - 1pm
Shaw Foundation Alumni House

SPEAKERS



**Data-Driven Management of COI in Peer Review Venues:
Data Science in the Real World**
Prof. Sourav S Bhowmick
Associate Professor
School of Computer Science & Engineering, NTU



**Hateful Content Moderation with
Data Science & AI**
Prof. Roy Ka-Wei Lee
Assistant Professor
Information Systems Technology and Design, SUTD



**Unleashing the Power of Data for
Real-World Impact**
Prof Wang Zhengkui Daniel
Associate Professor & Director of Data Science
and AI Lab, SIT



**ChatGPT, LLMs and Generative AI: What
Your Business Needs to Know**
Mr CK Thum
Account Director
Katonic.ai



**Oracle's Data-Driven Technology that powered F1,
SailGP, Premier League strategy to win**
Ms. Tidaporn Santimanawong
Senior Director - Technology Cloud Engineer, Oracle ASEAN

More speakers from:



REGISTER HERE



DEMO SHOWCASES

DAVINZ: Data Visualization using Deep Neural Networks
at Initialization

AI/ML at Scale in AMEX

Aligning Dual Disentangled User Representations
from Ratings and Textual Content

Willdata - Empowering AI Development with Ground Truth Data

Dealing with Missing Values in Proteomic Data

Deciphering the Noisy Landscape: Architectural Conceptual Design Space
Interpretation using Disentangled Representation Learning

Sequence-Level Neural Abstractive Summarization

Uncertainties in Deforestation Emission Baseline Methodologies
and Implications for Carbon Markets

Unlock the power of Generative AI for your business with the
Katonic Generative AI Platform

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

