

TEO YU QI

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EDUCATION

National University Of Singapore (NUS)

Aug 2020 – Present

- Bachelor of Computing in Computer Science (with Honours)
- Expected Date of Graduation: May 2024

PROGRAMMING LANGUAGES

Fluent in:

- TypeScript, JavaScript, React, Python, Java, HTML, CSS, Git

Also used:

- Arduino, AWS EC2, Bash, C, C++, Firebase, Go, Ruby, Rails, Xilinx Vitis-AI

WORK EXPERIENCE

Software Engineer Intern (Frontend)

Jan 2023 – Nov 2023

TikTok (Global E-Commerce, Data Intelligence)

- Developed and maintained frontend systems for TikTok Shop Creator, Partner, and Affiliate accounts to track and analyse KPI and sales metrics. (Traffic: ~500,000 weekly active users with sales).
- Revamped Creator Dashboard's landing page on mobile, resulting in +33.54% increase in user views and +57.66% increase in page views.
- Implemented API request monitoring and alerting on TikTok Shop Creator, Partner, and Affiliate platform, enabling observability of frontend systems.
- Introduced an asynchronous data export feature on Partner compass SEA, with 70 TikTok Shop Partners utilising the feature in the first week of release and ~650 file exports.
- Developed Brand Portal v1.0, a data-driven platform tailored for brands with a significant international presence and TikTok Shop storefronts across multiple regions.
- Overhauled the LIVE Workbench platform to improve efficiency of LIVE operations for TikTok E-Commerce.
- Skills: *React, TypeScript, HTML, CSS, Tailwind, SCSS*

Software Engineer Intern (Embedded)

May 2022 – Jul 2022

DSO National Laboratories

- Explored viability of classifying RF pulse using AI/ML algorithms on Xilinx MPSoC.
- Deployed deep-learning model on Avnet UltraZed-EG with Vitis-AI APIs.
- Provided in-depth documentation to assist software team in future adoption of Vitis-AI.
- Skills: *Python, Bash, Vitis-AI*

VOLUNTEER WORK AND CODING BOOTCAMPS

TikTok Tech Immersion 2023

May 2023

- Attended 8-day course on backend, quality assurance and site-reliability engineering.
- Configured HTTP and RPC server in Go as part of course deliverables.

Student Volunteer | OTH4419 AI Primer Course

May 2022 – Jun 2022

- Assisted in setting weekly quizzes for OTH4199 AI Primer Course organized by the NUS Centre for Computing for Social Good & Philanthropy. (Beneficiary: *Autism Resource Centre - Singapore*).

TikTok Youth Camp 2022

May 2022

- Attended 10-day course on frontend and Android application development.