

CHUN KHAI KOK

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EDUCATION

National University of Singapore, NUS

Aug 2021 - May 2025

Bachelor (Honors) of Computing in Computer Science, *Penultimate Year*

Relevant Coursework: Parallel Computing, Operating Systems, Data Structures and Algorithms, Natural Language Processing, AI and ML, Database Implementation

EXPERIENCE

Backend Engineer Intern, Tiktok, Singapore

May 2024 - Sep 2024

- *Tech Stack:* Go, MySQL, Apache
- Joining the Global Live team in the Summer, 2024

Software Engineer Intern, Scooterson, Singapore

May 2023 - Sep 2023

- *Tech Stack:* TypeScript, Django, Express on Nodejs
- Worked on the **migration to a microservices-based Django backend**, optimizing scalability and enhancing system flexibility.
- Worked on a **globally accessible database with secure REST APIs**, resulting in rapid and secure data retrieval.

Backend Engineer, Google Developer Student Clubs NUS

Aug 2023 – Jan 2024

- *Tech Stack:* TypeScript, Express on NodeJS, AWS Services
- Contributed to the tech development initiatives for Resilience Collective (RC), in a team of student developers.
- Developed a **robust CRM system** to effectively monitor member profiles, track attendance, and enable real-time updates for our mental health discussion sessions within the non-profit organization.

Teaching Assistant, NUS School of Computing, Singapore

Aug 2022 – Present

- *Tech Stack:* Python, C, Java
- **Courses Taught:** Data Structures and Algorithms, Operating Systems
- Guided students to reason about the design of algorithms, and offer feedback on system level code.
- Offer assistance to academic faculty in developing course materials throughout the semester.

PROJECTS

Developer, Tunesblend

- Designed and developed a **performant ML recommendation model using Scikit and TensorFlow** to deliver personalized song recommendations based on user's Spotify playlist
- Enhanced user experience with new features like song previews and recommendation customization
- Built a responsive NextJS web application, integrating the ML model via Flask and Pickle on an AWS EC2 instance for optimal responsiveness and scalability

TECHNICAL SKILLS

- **Languages:** Python • JavaScript • TypeScript • SQL
- **Frameworks/Tools:** Git • PostgreSQL • MySQL • Express • Django • Flask • React • NextJS • AWS • Google Cloud Platform (GCP) • Docker • Pickle • TensorFlow

WORK AUTHORIZATION

Available to work full time for 3-6 months or more outside of term time up to 40 hours a week.