# CHEN YIXUN

HP: +65 84209548     Email: e1155533@u.nus.edu

## EDUCATION

**National University of Singapore**                                                          **Aug 2023 - Sep 2027**
**Bachelor of Computing in Computer Science**
- GPA: 4.90 / 5.0

## INTERNSHIP & EXPERIENCE

**Student Frontend Developer, Source Academy, Singapore, Singapore**          **Jan 2024 – July 2024**
- Developed the frontend with React and Phaser for the Source Academy teaching platform of course CS1101S Programming Methodology I, for one semester.
- Collaborated with a partner to develop the SA Game of the Source Academy learning platform using Phaser and TypeScript, working on improving UI/UX and implementing a new quiz feature.

**Full-Stack Web Developer, PersonAI, Singapore, Singapore**                    **May 2024 – August 2024**
- Utilized generative AI with Gemini API and OpenAI Whisper transformer to assist work of mental health practitioners.
- Developed a web application using React and Flask to provide services of session document summaries, meeting transcription and sentimental analysis about patients' conditions.

**Student Teaching Assistant, NUS, Singapore, Singapore**                    **August 2024 – November 2024**
- Conducted weekly 2-hour tutorials with a group of eight students from course CS1101S Programming Methodology I.

**Software Developer, Google Developer Student Club NUS, Singapore, Singapore**      **August 2024 – May 2025**
- Developed a mobile-responsive web application that serves as a comprehensive platform for both event management and member loyalty for Singapore Book Council.

**Quantitative Research Intern, Beavo Investment Pte. Ltd., Singapore, Singapore**      **May 2025 – Present**
- Developed and optimized hyperparameter tuning mechanism for market regime detection, leveraging pandas and scikit-learn to automate hyperparameter search
- Analyzed and processed large-scale cryptocurrency market data to extract actionable insight, enhancing model accuracy and robustness

## AWARDS AND SCHOLARSHIP

- NUS School of Computing Dean's List AY23/24 Sem 2
- NUS School of Computing Dean's List AY23/24 Sem 1

## PROJECTS

**Contributor, RepoSense@NUS-OSS, Singapore, Singapore**                         **Jan 2025 – Present**
- Contributed to RepoSense, an open-source project built with Java and Vue.js that analyzes Git repository contributions for code authorship attribution.
- Optimized features to provide better insights into contributor activities and repository metrics.

## ACTIVITIES & COMPETITIONS

**Singapore Physics Olympiad 2021**
- Competed in the Singapore Physics Olympiad 2021 and obtained bronze medal

**Singapore Mathematics Olympiad 2022 (Open)**
- Represented school in the Singapore Mathematics Olympiad 2022 and obtained bronze medal

**International Mathematical Modeling Contest (IMMC) 2022**
- Led a team of 4 to complete a report on airplane boarding plan in the IMMC Singapore 2022 and won award of high distinction. Represented Singapore in the IMMC 2022

**TikTok TechJam 2024**
- Participated in TikTok TechJam 2024 and developed an AI writing assistant web application using React for frontend and Django for backend.