

CHEE HENG KOH

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EDUCATION

National University of Singapore (NUS)

Jul 2021 - Present

Bachelor of Engineering (Computer Engineering)

- Current GPA: 4.74, expecting to graduate in May 2025 with Honors (Highest Distinction)
- Relevant Courses: Data Structures and Algorithms, Software Engineering, Computer Organization
- Deans' List in Academic Year 2022/23

Boston University

Sep 2023 - Dec 2023

Student Exchange Program, United States, Boston MA

- Relevant Courses: Database Management, Computer Networking, Operating Systems
- Interacted with students of different nationalities in semester long Boxing class.

NUS Overseas Colleges (NOC)

May 2023 - Aug 2023

Overseas Program, Vietnam, Ho Chi Minh City

- Completed a three-month long internship with a Vietnamese tech company, gaining software development and cross-cultural collaboration skills.

CORE COMPETENCIES

- **Programming Languages:** Python, C++, JavaScript, Java, C, MATLAB, Solidity, Verilog
- **Tech Stack:** Git, ReactJS, Firebase, Redis, Flask, Django, Express, Docker, MySQL, MongoDB, Hadoop, Spark

INTERNSHIP EXPERIENCE

Full-Stack Engineer Intern, HubbedIn, Singapore

Jul 2024 – Nov 2024

- Enhanced the Enterprise Resource Planning system with Express, enabling real-time synchronization and expanding the product's applicability to physical retail environments, setting it on track for deployment in eight stores.
- Iteratively developed and deployed a comprehensive financial accounting feature tailored to client requirements, enabling accurate and efficient monthly reconciliation for B2B sales and point of sale transactions.

Software Developer Intern, Real Estate Analytics, Singapore

Jan 2024 – Apr 2024

- Craft intuitive and responsive user interfaces for real estate professionals at major firms in Singapore and Hong Kong, enhancing user experience and functionality for 66% of the real estate sector.
- Automated dynamic PDF report generation features, streamlining client data report creation and eliminating manual statistics entry, saving one hour of effort per report.

Software Engineering Intern, AlphaTrue, Ho Chi Minh City, Vietnam

May 2023 - Aug 2023

- Engineered and fine-tuned APIs using Flask, improving response efficiency by implementing Redis queues and distributed worker nodes across isolated containers on Google Cloud, leading to enhanced system scalability.
- Designed and implemented AI features for search engine optimization product using large language models, transformers, and vector databases, setting the foundation for improved content visibility and click through rates.

PROJECTS

Full-Stack Developer, Inventory Management System, Singapore

Apr 2023 - Present

- Constructed an inventory management system using ReactJS and Django for a non-profit first aid organization, optimizing logistics management and reducing incidents of logistical errors during field deployments.
- Awarded the NUS Public Service Fellowship for the project, in recognition of its impact and contributions to the field.

Developer, Exercise Monitoring with Computer Vision, Singapore

May 2022 - Jul 2022

- Devised innovative algorithms and logic to integrate web cameras for monitoring user posture across various compound full-body exercises, enabling highly accurate real-time feedback for optimal workout efficiency.
- Created a ReactJS web application with OpenCV for precise posture detection and deployed it on AWS EC2.

EXTRA CURRICULAR / OTHER ACTIVITIES

Vice-President, National University of Singapore Cuesports Club, Singapore

May 2022 - May 2023

- Led executive committee of 16 members in club projects and events involving over 100 personnel.

Top 10 Finalist, SRA Retail Reimagined Innovation Challenge, Singapore

May 2022 - Jul 2022

- Proposed Augmented Reality and Blockchain solution to help retail businesses adopt Web3.0 technologies.
- Clinched the Finalist and Best Teamwork awards with a diverse team comprising members from different universities.