

· KANG CHIN SHEN ·

(+65) 9885 5908 | cskang.2020@scis.smu.edu.sg | linkedin.com/in/chinshenkang | github.com/cskang0121

EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- Cumulative Grade: Magna Cum Laude (On Track)

SINGAPORE

AUG 2020 – EXPECTED MAY 2024

TUNKU ABDUL RAHMAN UNIVERSITY COLLEGE

CAMBRIDGE INTERNATIONAL A-LEVELS

- TAR UC 100% Merit Scholarship for CIE A-Levels Programme in Computer Science, Physics, Chemistry, Mathematics
- TAR UC Top Scorer Award for Computer Science and TAR UC CIE A-Levels Overall High Achiever Award

KUALA LUMPUR, MALAYSIA

MAY 2018 – DEC 2019

WORK EXPERIENCES & HACKATHONS

OVERSEA-CHINESE BANKING CORPORATION STEM INTERNSHIP (GROUP OPERATIONS AND TECHNOLOGY)

SOFTWARE ENGINEER INTERN (DIGITAL CORE DPT.)

AUG 2022 – DEC 2022

- Experienced in full agile cycle and methodologies, improved overall system delivery rate by 25% in the latest sprint
- Built an internal application for OCBC employees using React.js and features for deriving actionable insights with microservices
- Robust SIT and UAT testing, concise documentation, version control and performed technical research on improving system
- Refactored old system architecture with another junior engineer, enabling rapid knowledge transfer and improved bug discovery

DATA ENGINEER & ANALYST INTERN (SYSTEM DELIVERY DPT.)

MAY 2022 – AUG 2022

- Developed supervised machine learning models for anomaly detection with over 40,000 datasets and achieved 95% accuracy
- Collaborated with two data science professionals to develop insightful dashboard for making data driven business decisions
- Exposed to Hadoop ecosystem, assisted supervisor to perform ETL operations on big data platform (Cloudera) through Hive and Bash
- Built a Flask backend application on a remote server using Linux-based OS and Gunicorn, improved automation in data extraction

SINGAPORE MANAGEMENT UNIVERSITY (SCHOOL OF COMPUTING AND INFORMATION SYSTEM)

IS112 DATA MANAGEMENT UNDERGRADUATE TEACHING ASSISTANT (UTA)

JAN 2022 – MAY 2022

- Assisted professor to prepare course work related to relational database theory and data management for over 50 CS undergraduates

CS102 OBJECT-ORIENTED PROGRAMMING IN JAVA UNDERGRADUATE TEACHING ASSISTANT (UTA)

- Assisted professor in lecture by teaching best coding practices, strong emphasis on writing clean OOP code with appropriate algorithms

BANK OF AMERICA CODE TO CONNECT 2023 HACKATHON

GLOBAL MARKET TECHNOLOGY (FICC) CODING CHALLENGE < CHAMPION >

MAY 2023

- Fulfilled all specified criteria by developing a web-based "Forward Pricing Engine" in strict compliance with the time constraint
- Produced a real-time, interactive dashboard interface utilising a given dataset to facilitate data-driven decision-making for customers

AMAZON WEB SERVICES BUILDON ASEAN 2021 HACKATHON

SINGAPORE INSTITUTE CATEGORY < FINALIST >

JUL 2021 – AUG 2021

- Devised unconventional marketing strategies to encourage buying and selling of pre-owned items through C2C e-commerce platform
- Produced a cloud-based web application to demonstrate new features powered by "AWS Personalize" AI recommendation system

ACADEMIC PROJECTS & COURSES

CS301 IT SOLUTION ARCHITECTURE, SPONSORED BY ASCENDA LOYALTY PTE. LTD.

AWS CERTIFIED SOLUTIONS ARCHITECT ASSOCIATE SAA-C03

JAN 2023 – MAY 2023

- Developed AWS-based secure user authentication system, providing robust data exchange capabilities using JWT, OAuth, OIDC standards
- Demonstrated proficiency in utilising various architectural styles and appropriate design principles to develop scalable software systems

PROJECT NESSO (CS FINAL YEAR PROJECT), SPONSORED BY EEZEE PTE. LTD.

RECOMMENDER SYSTEM | NATURAL LANGUAGE PROCESSING | AGILE PROJECT MANAGEMENT

JAN 2023 – MAY 2023

- Built a ML-powered recommender system that captures customer interests over time, balancing both customisation and product exploration
- Implemented both "Content-based" and "Collaborative-based" filtering strategies, employing continual learning for long-term model training
- SCRUM Master for a team of 6, ensuring smooth delivery of minimal viable product for each sprint via Jira project management skills

TIKTOK TECH IMMERSION PROGRAMME 2023

SERVER DESIGN | QUALITY ASSURANCE | SITE RELIABILITY ENGINEERING

MAY 2023 – JUN 2023

- Built a "Pull Mode" Instant Messaging system using microservices with RPC protocol, MySQL for data storage and Docker for deployment
- Exposed to cloud native solutions and K8s framework, comprehensive testing methodologies and CI/CD through GitHub Actions

GOOGLE CAREER CERTIFICATION PROGRAMME 2023, SPONSORED BY SINGAPORE MANAGEMENT UNIVERSITY

GOOGLE DATA ANALYTICS PROFESSIONAL CERTIFICATE

MAY 2023 – PRESENT

- Performed deep analysis on large datasets, examined different case study scenarios, and effective presentation of findings
- Applied key analytical skills including data cleaning, analysis, visualisation using spreadsheets, SQL, R Programming and Tableau

SKILLS & LANGUAGES

- Programming: Oracle Certified Foundations Associate, Java | Bash | Python 3 | C | Go | JavaScript (ES6) | SQL | HTML5 | CSS3
- Frameworks and Tools: SpringBoot | Express.js | Flask | React.js | Tailwind CSS | AWS | MySQL | Git | Jira | Tensorflow | Pandas | NumPy
- Languages: Professional Working Proficiency (Mandarin & English) | Intermediate (Malay & Hokkien) | Beginner (Japanese & Cantonese)

· THANK YOU ·