

Chun Chet Ng

@ ngchunchet95@gmail.com |  LinkedIn |  GitHub |  Website |  Kuala Lumpur, Malaysia

SUMMARY

Applied AI practitioner and Ph.D. computer vision researcher working on production LLM, OCR, document intelligence, financial retrieval (RAG), and credit scoring systems for fintech. Experienced in moving AI ideas from research prototypes toward on-premise/cloud deployment, supporting engineering delivery, improving Azure infrastructure, and translating research outputs into product features.

EDUCATION

University of Malaya

Ph.D. in Artificial Intelligence (Computer Vision)

- Graduated in December 2024.

Kuala Lumpur, Malaysia

Sept. 2018 – Dec. 2023

Tunku Abdul Rahman University of Management & Technology

Bachelor of Computer Science (Honours) in Software Engineering; CGPA: 3.97/4.00

Diploma in Science (Computer Science and Mathematics); CGPA: 3.97/4.00

Kuala Lumpur, Malaysia

May. 2015 – May. 2017

May. 2013 – May. 2015

RESEARCH EXPERIENCE

University of Malaya

Research Assistant

Kuala Lumpur, Malaysia

Sept. 2018 – Dec. 2023

- Under the supervision of [Prof. Chan Chee Seng](#) from the Centre of Image and Signal Processing Lab.
- Researched scene text detection, recognition, spotting, and low-light image enhancement methods. Contributed to benchmark datasets including ArT, EST-VQA, and ICText.
- My Ph.D. thesis title is “Optical Character Recognition Under Challenging Lighting Conditions”.

WORK EXPERIENCE

AI Lens Group

Chief AI Officer

Kuala Lumpur, Malaysia

Apr. 2024 – Present

- Designed and delivered AI-powered credit scoring and document intelligence platforms for bank statements, payslips, ICs, invoices, financial statements, and bureau reports, achieving >95% extraction accuracy at <5s per page on on-premise infrastructure.
- Built production pipelines for document extraction, validation, financial analysis, credit scoring, and report generation using FastAPI, Python, React, PostgreSQL, Docker, RabbitMQ, and Azure.
- Provisioned and maintained Azure production infrastructure and cloud resources, and set up GitHub Actions CI/CD with self-hosted runners, branch gating, containerized deployments, and release readiness checks.
- Supported engineering delivery through sprint planning, ClickUp task governance, weekly engineering syncs, reliability targets, and mentoring across backend, DevOps, OCR, and AI system design.
- Contributed to an R&D track with workshop publications at ICAIF, AAIL, ICLR, and ICML, transitioned research into production, and helped the team secure 3rd place in the [ACM ICAIF 2025 Agentic Retrieval for Financial Documents Grand Challenge](#) on Kaggle.

Etch Media

Vice President of Engineering

Kuala Lumpur, Malaysia

Oct. 2023 – Mar. 2024

- Integrated an LLM-based classification pipeline mapping CV-detected object and person labels to contextual advertisement categories for real-time targeted ad delivery.
- Engineered a C# media playback service for custom LED display boards, handling advertisement scheduling and real-time content switching.
- Designed backend microservices bridging AI inference engines for vehicle recognition (make, model, colour) and facial analysis (gender, age, emotion) into production ad delivery workflows.
- Set up GitHub Actions CI/CD and containerized deployments; improved web security via Cloudflare and maintained Azure cloud resources.

Tibame Image Recognition

Remote

Instructor

2023 – 2025

- Taught hands-on OCR classes covering license plate recognition and signboard text spotting using PaddleOCR and MMOCR. [\[video\]](#)
- Open-sourced course materials for [license plate recognition](#) and [signboard OCR](#).

AkiraKan Limited

Kuala Lumpur, Malaysia

Part-time ML/AI Research Scientist (3D & AI)

Jan. 2023 – Sept. 2023

- Handled OCR-related projects including lamp post ID extraction and license plate recognition based on traffic scene images.

ViTrox Corporation Bhd.

Penang, Malaysia

Research Intern

Mar. 2020 – Dec. 2022

- Worked on industrial OCR methods for detecting and recognizing defective characters on chip images under low contrast, blur, broken-stroke, and other aesthetic-defect conditions.
- Co-organized ICDAR 2021 RRC - ICDAR with Baidu and partner universities, contributing to the largest Integrated Text on Chips Dataset (ICDAR).
- Proposed a curriculum-learning training strategy to improve character recognition performance on ICDAR; produced two publications from the research project.
- Supported undergraduate interns on image classification and object detection projects.

Theta Service Partner Sdn. Bhd.

Kuala Lumpur, Malaysia

Intern Software Engineer

Feb. 2017 – Aug. 2017

- Joined the Centre of Excellence department to work on a bank loan software system. I was mainly responsible for bug fixing, implementing customers' requirements, and writing test cases. The tech stack involved Angular as the front-end framework with C# and Java as the back-end.

VOLUNTEER EXPERIENCE

Dhamma Earth Malaysia

Kuala Lumpur, Malaysia

IT Volunteer

2019 – Present

- Set up the organization's main [website](#).
- Developed an internal web application to track [allowable requisites](#) for Buddhist monks and nuns.

Dharma Drum Mountain Buddhist Centre

Kuala Lumpur, Malaysia

Software Engineer

2017 – Present

- Completed an internal E-receipt system to record received donations and payments in a systematic format.
- Set up and migrated the legacy email systems to GSuite for NGO.
- Created an [e-commerce website](#) to allow the selling of books online and the acceptance of online donations.
- Periodic update and maintenance of the above projects.

AWARDS & ACHIEVEMENTS

Perfect Half Million Beauty Product Image Recognition Challenge 2018: Ranked 4th out of 13 teams. Implemented Mask-RCNN and carry out feature extraction using various CNN models.

HACK2HIRED Software Hackathon 2017: Represented my team to present to panel judges and won second runner-up as a team. Implemented a production line monitoring system within 24 hours.

Pecipta 2017: Won a Bronze Medal with my Bachelor's Degree's Final Year Project, titled "Malaysia's Car Plate Recognition System". Worked with a 4-member student team and implemented a license plate recognition algorithm using KNN; the proposed method outperformed the existing methods significantly.

Hilti's FYP Competition 2016: Won Second Runner-up with "Malaysia's Car Plate Recognition System".

TARUMT's FYP Showcase 2016: Won First Runner-up with "Malaysia's Car Plate Recognition System".

Bachelor Degree & Diploma: President's Award Winner as the best graduate for the year of 2017/2018. Book Prize Award Winner for diploma and degree (highest CGPA). President's List for every semester during diploma and degree.

RESEARCH PUBLICATIONS - CONFERENCE PAPERS

- (1) Nah, Wan Jun, Zhi Qin Tan, **Chun Chet Ng**, and Chee Seng Chan. “Rethinking Long-Tailed Visual Recognition with Dynamic Probability Smoothing and Frequency Weighted Focusing.” In 2023 IEEE International Conference on Image Processing (ICIP), IEEE, 2023. [\[paper\]](#) [\[code\]](#)
- (2) Hsu, Po-Hao*, Che-Tsung Lin*, **Chun Chet Ng***, Jie Long Kew, Mei Yih Tan, Shang-Hong Lai, Chee Seng Chan, and Christopher Zach. “Extremely low-light image enhancement with scene text restoration.” In 2022 26th International Conference on Pattern Recognition (ICPR), pp. 317-323. IEEE, 2022. [\[paper\]](#) [\[code\]](#)
- (3) **Chun Chet Ng**, Akmalul Khairi Bin Nazaruddin, Yeong Khang Lee, Xinyu Wang, Yuliang Liu, Chee Seng Chan, Lianwen Jin, Yipeng Sun, and Lixin Fan. “ICDAR 2021 Competition on Integrated Circuit Text Spotting and Aesthetic Assessment.” In Document Analysis and Recognition–ICDAR 2021: 16th International Conference, Lausanne, Switzerland, September 5–10, 2021, Proceedings, Part IV 16, pp. 663-677. Springer International Publishing, 2021. [\[paper\]](#) [\[dataset\]](#)
- (4) Wang, Xinyu, Yuliang Liu, Chunhua Shen, **Chun Chet Ng**, Canjie Luo, Lianwen Jin, Chee Seng Chan, Anton van den Hengel, and Liangwei Wang. “On the general value of evidence, and bilingual scene-text visual question answering.” In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition, pp. 10126-10135. 2020. [\[paper\]](#) [\[dataset\]](#)
- (5) Chng, Chee Kheng, Yuliang Liu, Yipeng Sun, **Chun Chet Ng**, Canjie Luo, Zihan Ni, ChuanMing Fang et al. “Icdar2019 robust reading challenge on arbitrary-shaped text-rrc-art.” In 2019 International Conference on Document Analysis and Recognition (ICDAR), pp. 1571-1576. IEEE, 2019. [\[paper\]](#) [\[dataset\]](#)
- (6) Sun, Yipeng, Zihan Ni, Chee-Kheng Chng, Yuliang Liu, Canjie Luo, **Chun Chet Ng**, Junyu Han et al. “Icdar 2019 competition on large-scale street view text with partial labeling-rrc-lsvt.” In 2019 International Conference on Document Analysis and Recognition (ICDAR), pp. 1557-1562. IEEE, 2019. [\[paper\]](#) [\[dataset\]](#)
- (7) Lim, Jian Han, Nurul Japar, **Chun Chet Ng**, and Chee Seng Chan. “Unprecedented usage of pre-trained CNNs on beauty product.” In Proceedings of the 26th ACM international conference on Multimedia, pp. 2068-2072. 2018. [\[paper\]](#)

**Indicates equal contribution.*

RESEARCH PUBLICATIONS - JOURNAL PAPERS

- (1) **Chun Chet Ng***, Che-Tsung Lin*, Zhi Qin Tan, Wan Jun Nah, Xinyu Wang, Jie Long Kew, Pohao Hsu, Shang Hong Lai, Chee Seng Chan, and Christopher Zach. “Text In the Dark: Extremely Low-Light Text Image Enhancement.” In Signal Processing: Image Communication, vol. 130, pp. 117222, 2025. [\[paper\]](#) [\[code\]](#)
- (2) **Chun Chet Ng***, Che-Tsung Lin*, Zhi Qin Tan, Xinyu Wang, Jie Long Kew, Chee Seng Chan, and Christopher Zach. “When IC Meets Text: Towards a Rich Annotated Integrated Circuit Text Dataset.” In Pattern Recognition, vol. 147, pp. 110124, 2024. [\[paper\]](#) [\[code\]](#)

**Indicates equal contribution.*

RESEARCH PUBLICATIONS - WORKSHOP PAPERS

- (1) **Chun Chet Ng***, Jia Yu Lim*, and Wei Zeng Low. “PRISM: Prompt-Refined In-Context System Modelling for Financial Retrieval.” In Scalable Learning and Optimization for Efficient Multimodal AI Agents @ ICML 2026; Workshop on Logical Reasoning of Large Language Models @ ICLR 2026; The 2nd Workshop on Advances in Financial AI: Towards Agentic and Responsible Systems @ ICLR 2026; and International Symposium on Large Language Models for Financial Services (FinLLM@IJCAI 2026). [\[arxiv\]](#) [\[code\]](#)
- (2) **Chun Chet Ng***, Zhen Hao Chu*, Jia Yu Lim, Yin Yin Boon, Wei Zeng Low, and Jin Khye Tan. “AI-BAAM: AI-Driven Bank Statement Analytics as Alternative Data for Malaysian MSME Credit Scoring.” In Workshop on Logical Reasoning of Large Language Models @ ICLR 2026; The 2nd Workshop on Advances in Financial AI: Towards Agentic and Responsible Systems @ ICLR 2026; Workshop on Multi-Agent Learning and Its Opportunities in the Era of Generative AI @ ICLR 2026; and Agentic AI in the Wild: From Hallucinations to Reliable Autonomy @ ICLR 2026. [\[arxiv\]](#)
- (3) **Chun Chet Ng**, Wei Zeng Low, Jia Yu Lim, and Yin Yin Boon. “Cash Flow Underwriting with Bank Transaction Data: Advancing MSME Financial Inclusion in Malaysia.” In Agentic AI in Financial Services @ AAAI 2026 and AI for Financial Inclusion, Risk Modeling & Resilience in Emerging Markets @ ACM ICAIF 2025. [\[arxiv\]](#)

**Indicates equal contribution.*

REVIEW EXPERIENCES

- ACMMM 2026.
- ICLR 2026.
- PR 2022–2026.
- AAAI 2022, 2023, 2026.
- CVPR 2021, 2022.
- ECCV 2022.
- ICCV 2021.
- BMVC 2021.
- ICDAR 2019, 2021.

SKILLS

Programming: Python, C#, Java, SQL, JavaScript/TypeScript

AI/ML: LLMs, RAG, OCR, document intelligence, credit scoring, computer vision, PyTorch, TensorFlow, NumPy, Pandas

Backend & Cloud: FastAPI, React, PostgreSQL, Docker, RabbitMQ, Azure, GitHub Actions, CI/CD, on-premise deployment

Languages: Mandarin (Native), English (Professional), Malay (Fluent)

PROFESSIONAL CERTIFICATIONS

NVIDIA | [NVIDIA Certified Professional: Generative AI LLMs](#) Mar. 2026

Microsoft | [Microsoft Certified: Azure Administrator Associate](#) Jun. 2025

- Credential ID: 95184B5C831F7E9B

DeepLearning.AI & Amazon Web Services | [Generative AI with Large Language Models](#) Nov. 2024

- Credential ID: T3EJ1SNXO7ZS

SUPPLEMENTARY TRAINING

MOOC: Coursera Andrew Ng's Machine Learning, Deep Learning Specialization, DeepLearning.AI TensorFlow Developer

Summer Schools: Southeast Asia Machine Learning School 2019, Oxford Machine Learning Summer School 2022