CHE VIET HAI

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AI	Engineering	
	MLOps	
	Math	

EDUCATION

Bachelor of Science | *Major: Computer Science*	Aug. 2015 – May 2019
University of Information Technology (GPA: 3.02/4.0)	Ho Chi Minh, Vietnam

WORK EXPERIENCE

Senior AI Engineer	Mar 2023 – Now
Koidra AI	Ho Chi Minh, Vietnam

- Support and implemented a physics-informed predictive model, leveraging environmental parameters and crop data to optimize multiple factors (ex: irrigation, lighting), leading to a 10% increase in overall crop yield.
- Spearheaded the adoption of monorepo architecture, consolidating codebases from various departments into a single repository, resulting in a 80% reduction time in CI-CD pipeline, enhance code stability and collaboration between multiple teams.
- Implement statistical analyses and data visualization dashboard to present research findings effectively, enabling informed decision-making by stakeholders and management.
- Lead efforts to maintain a well-organized and up-to-date database of research experiments and results, remain code high quality over 80% coverage and facilitating faster feedback loops.

Lead AI Engineer	May 2019 – Feb 2023
Jobhopin Asia	Ho Chi Minh, Vietnam

- Build an AI recruitment platform and neural network search engine that optimize the recruitment process and engagement rate between job seekers and recruiters at scale.
- Communicated findings and progress to management and stakeholders through presentations and technical reports, highlighting the statistical outcome of the models.
- Success delivering a recruitment platform at SLA with SAP partners (Techcombank, TH group, ...) that generated significant revenue and was one of the main revenue streams at Jobhopin.
- Monitoring, A/B testing and secure AI platform in AWS, rate limit, and scale service as website traffic.
- Multi-tenant AI services, event-driven platform, APM distributed tracing, and separate app layer between computing and serving.
- Optimize AI model to low-level coding (Rust) and edge device inference (Web and Mobile).
- Provided guidance, code review, and mentorship to team members to ensure the quality and maintainability of the codebase, over 80% test coverage quality, full-flow CI-CD

AI Engineer	Apr 2018 – May 2019
TMA solution	Ho Chi Minh, Vietnam

- Work as an NLP developer to create intelligent software and provide solutions for NLP problems.
- Collaborate with Project Manager and Director to provide POC model and demo for potential problems from an existing customer.
- Associate with BA to perform data collection of 8 leading RPA companies in Southeast Asia.
- Contribute to building scraping system for Data Scientist team; built a system to scrap 500+ websites in 1 week.

AI Engineer	Dec 2018 – Feb 2022
Personal Team	Ho Chi Minh, Vietnam

- Work as pattern architecture for AI programs and provide insight for technological solutions.
- Engaging in product and technology research, design, and coding to develop new product-market fit.
- Work closely with many experts in our team to actualize the idea and prepare for the production step.
- Coordinate with BA and C-level managers at multiple companies for visualizing and insight from their data pool.
- Getting a robust accuracy with 97.27% on OCR and 99.23% overall performance in industry cameras.

ACADEMIC AND RESEARCH

Applying Transfer Learning in Stock Prediction Based on Financial News | *Journal Paper*   Fall 2020
Seventh International Conference on Computational Science and Technology, ICCST2020 — First author

University Lab | *Leader of team NLP*   Fall 2017
University of Information Technology

SKILLS

Coding: Fastapi, Asyncio, Pytorch, Python, Rust, Influxdb
Database: Neo4j cluster, Redis, Mysql, Elasticsearch, Qdrant vector database, Monorepo
Devops AI: Sagemarker, Opentelemetry, ECS-Fargate, Fluentd, CloudFormation, SQS-SNS-Lambda, VPC, TailScale
English: Toiec 845