

Shalom Inchoi

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SKILLS

Programming Languages: Python, SQL, C, Java, C#, HTML, CSS, JavaScript, TypeScript, NoSQL

AI & Machine Learning: PaddleOCR, TesseractOCR, Random Forest, YOLO (v11s), OpenCV, LangChain, ChromaDB, RAG Workflows, LM Studio, Ollama, LLMs, Hermes Agent

Web & Mobile: FastAPI, React, PostgreSQL, Flutter, Node.js

Tools & QA Automation: Alteryx, Tableau, PowerBI, Katalon Studio, Playwright, Claude Code, Codex, Poke AI, Cloudflare, Stripe, Git, Netlify, Railway, Vercel

Languages & Soft Skills: English (TOEIC: 870 - Listening: 450, Reading: 420), Thai (Native), Teamwork, Problem Solving

Certifications: Alteryx Designer Core Certification, Gemini Certification for University Students

EDUCATION

Mahidol University

2022 - 2026

Bachelor of Science (B.Sc.) in ICT | Major: Database and Intelligence Systems | Cumulative GPA: 3.18

PROFESSIONAL EXPERIENCE

GIS Application Developer Intern

CDG Group (Nostra Logistic) (Bangkok, TH)

February 2026 - April 2026

Developed high-accuracy automated optical character recognition systems and managed robust QA test pipelines for web and mobile platforms.

Accomplishments:

- Developed production-ready OCR API using PaddleOCR with Random Forest models for precise text/coordinate extraction from weight tickets.
- Implemented AI fallback strategy using Gemini 3.1 Flash-Lite to handle complex layouts and low-quality scans.
- Automated QA regression testing with Katalon Studio, creating scalable test suites and custom keyword scripts.

Data Annotator (Freelance)

RWS Group (Remote)

June 2026 - Present

Evaluated Thai speech audio quality and provided structured feedback on pronunciation, intonation, pacing, and tone to support AI model training and quality assurance.

Accomplishments:

- Evaluated Thai speech pronunciation accuracy, detecting mispronunciations (ฉัน→ชั้น, โหม→มัย) and assessing intonation for native-like delivery.
- Analyzed pacing, fluency, and tone alignment with reference standards, delivering structured reports to improve AI speech models.

PROJECTS

OCR Bank — Thai Receipt Processing System: github.com/FFFames/OCR-Bank-Slip

- Full-stack Thai receipt processor with Tesseract OCR multi-language extraction, FastAPI + PostgreSQL, ChromaDB vector store, and RAG chatbot (Gemini/Groq).
- React/TypeScript UI with batch upload, Google Sheets export, and Recharts analytics.

WorshipTeam — Church Song Management & Presentation: github.com/FFFames/worship-team-app

- React 18 + TypeScript app with Supabase backend, Zustand, Tailwind CSS v4, and AI Song Formatter (tesseract.js + Groq Vision).
- Chord chart parser with Thai notation, auto transposition, PDF export, and dual-screen live presentation via BroadcastChannel API.

LLM-Based Conversational NPC AI System (Senior Project): github.com/krtprml/SeniorProject Mahidol University

Context-aware NPC dialogue powered by RAG workflows with ChromaDB and game-state bindings

- LLM-based NPC dialogue system using RAG, ChromaDB, and custom prompt engineering for dynamic game-state-driven interactions.

PyCoach — Browser-Based Python Learning Platform: github.com/FFFames/PyCoach

- Deployable MVP for practicing Python in-browser with 5 exercises, Monaco editor, Groq LLM auto-grading, and Bayesian Knowledge Tracing for mastery estimation.
- Built with Next.js App Router, Supabase Auth + PostgreSQL with RLS, and responsive UI with student/instructor dashboards.