

Yimurenjiang (Imran) Maimaitiming

Software Engineering | Full-Stack Development | AI/Agent Systems

Available for credit-bearing, full-time internship from March to September 2027

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EDUCATION

National University of Singapore

Aug 2026 - Aug 2027 (Expected)

Graduate Diploma in Systems Analysis

University of Electronic Science and Technology of China (UESTC)

Sep 2022 - Jun 2026

B.Eng. in Optoelectronic Information Science and Engineering

INTERNSHIP EXPERIENCE

SAP Labs China Full-Stack Developer Intern

Mar 2026 – Aug 2026(On-site)

- Delivered enterprise AI-agent integration PoCs across MCP, A2A and OAuth 2.0/mTLS authentication; validated user identity propagation and gateway authentication, built 7 reproducible probe scenarios, and documented runtime and cross-team integration gaps.
- Engineered core frontend development of a Next.js/React storefront prototype integrating SAP Commerce Cloud APIs across product discovery, cart, checkout and payments; built GitHub Actions CI/CD workflows and authored developer integration guides for customer-owned frontends.
- Built two reusable agent Skills for internal teams, combining guided authentication and Python/Node.js tools for multi-source data collection, adoption analysis across 12 platform features, Kubernetes/CDN resource analysis and HTML/Excel reporting.
- Owned the technical design for a Cloudflare WAF IP-filter migration, defining Kubernetes controller workflows and building rule-generation tools; designed aggregation methods to satisfy various capacity constraints and delivered the implementation plan used by backend engineers.

TECH STACK Next.js · React · TypeScript · Python · Go · K8s · MCP · A2A · Cloudflare · CI/CD

Moments AI Inc. AI Full-Stack Developer Intern

Jan 2026 - Feb 2026(On-site)

- Built AWS Bedrock AgentCore and LangGraph workflows for multimodal document parsing, multilingual generation, and structured prompting.
- Implemented a unified agent-invocation adapter spanning database reads, format conversion, and remote execution, reducing integration friction across product modules.

TECH STACK Multimodal RAG · LangGraph · Bedrock AgentCore · Python · FastAPI · TypeScript

TECHNICAL SKILLS

Full-Stack

Python · TypeScript / JavaScript · FastAPI · Docker · React · REST APIs · SQL · Redis · Cloudflare · CI/CD

AI-Assisted Development & Agent Engineering

Codex · Claude Code · LangGraph · Amazon Bedrock AgentCore · RAG · MCP · A2A · Tool calling

PROJECT EXPERIENCE

Shopping Copilot - Stateful Search & Recommendation Agent

Aug 2026

Lead Developer • TikTok TechJam 2026 Track 4

- Led the implementation of an offline, state-aware shopping agent over a 50,000-item catalog, combining constraint tracking, multi-route SQLite FTS5 retrieval, weighted ranking, candidate-aware clarification, and adaptive Top-10 selection; integrated an optional FastAPI / React demo over the same core.
- Used Codex to accelerate implementation and test iteration while owning the evaluation gates and engineering decisions; improved HR@10 from 0.125 to 0.940 and TechnicalScore from 0.107 to 0.804 on the unmodified official 200-session public evaluator with zero model tokens, and rejected an LLM reranker after larger experiments showed negligible gain and insufficient output reliability.

TECH STACK Python · SQLite FTS5 · FastAPI · React · Vite · pytest · Retrieval / Reranking

LCIMS - Real-Estate Business Management System

Oct 2025 - Current

Independent Developer • Closed-Source Commercial Product

- Built and operate a commercial Vue 3 / FastAPI / PostgreSQL platform with 38 distinct routed views and 201 active frontend-backend API integrations across inventory, sales, receivables, property fees, contracts, rentals, and approvals.
- Implemented layered authorization with 78 RBAC permissions and 8 registry-driven approval workflows, plus a separate NestJS Operator Console for instance health/configuration sync.
- Delivered and deployed the platform for two client companies in hometown, and continue to support production use as they digitize day-to-day property operations.

TECH STACK PostgreSQL · Docker · Vue 3 · Python · FastAPI · RBAC · Next.js · NestJS

Look2Act - Real-Time Gaze Tracking and Dwell Interaction System

Oct 2025 - Jun 2026

Bachelor's Thesis • Independent Research and Development

- Designed a layered, local-first Windows gaze-interaction system that organized video capture, ocular feature extraction, Classic / Deep inference backends, calibration, trajectory smoothing, and dwell interaction into an end-to-end real-time pipeline for commodity RGB webcams.
- Designed a 3D gaze-ray mapping, 25-point polynomial calibration, and EMA smoothing pipeline to address cross-device mapping error and gaze jitter; developed and trained the lightweight ~456K-parameter GazeNetV2 on a self-collected dataset of 7,395 samples from 31 users and 16 devices, achieving 2.4788° mean error in leave-one-user-out evaluation and 15 FPS with ONNX inference.
- Built fullscreen accuracy validation and dwell-triggered interaction mechanisms, received 92/100 for the thesis and submitted an ACM-format paper.

TECH STACK Python · PyTorch · ONNX Runtime · MediaPipe · OpenCV · PyQt6

AWARDS

- China University Computer Competition - MAIC, Second Prize in Southwest Division · 2025
- UESTC Special Scholarship · 2024, 2025
- Top Project / Individual A+, NUS School of Computing Summer Workshop · 2024
- Third Prize, UESTC Mengsheng Cup Electronic Design Competition · 2025