Samuel Choi

Location: relocate within U.S | samuc11@uci.edu | **www.samuel-choi.com**

Project

Founder & Full-Stack Developer | Bidangil (www.bidangil.co/en) |

08.2024 - present

Objective: **Launched a proxy purchasing service** enabling international customers to buy from Korean e-commerce platforms.

- **Cut avatar wait-time by 94 %** by off-loading 30-second OpenAI image calls to a Celery + Redis queue and pushing results over WebSocket; HTTP response now returns in **50 ms**, and a t3.medium host can handle **100+ concurrent avatar requests**
- **Slashed Stripe overhead 67 %**: a custom save_formset() + signal chain aggregates all inline order items into **one** Checkout session, dropping payment rows from 3 → 1 per order and eliminating duplicate-charge support tickets.
- **Optimised comment API from 1.6 s to 0.02 s** by replacing an N + 1 pattern (201 SQL hits for 200 comments) with a 2-query, in-memory tree build; page load time fell **99 %** and DB load per request dropped from ~1,600 ms to 16 ms.
- **Automated a 7-step cross-border workflow** (quote → item payment → purchase → delivery fee → shipping → delivered) with Django signals + Celery tasks: webhook-to-SMS latency is < 3 s and manual admin time per order fell from ~10 min to **< 30 s**.

Work Experience

1. Django Middleware API Server for Shopify Integration 09.2024 - 01.2025

Objective: Created a server that acts as a “middle man” between a client’s offline management software and Shopify.

- Developed **RESTful APIs** using Django, handling real-time data synchronization for inventory, orders, refunds, and price updates.

2. NCI article based LLM Customization | Document

01.2025 - 04.2025

Objective: Tailored LLama 3.0 8B Instruct Model for specialized client use cases.

Key Achievements:

- Led team of 4 and Implemented **Retrieval-Augmented Generation (RAG) and fine-tuning(PEFT)** to enhance the model’s relevance, response, and inference time.
- Generated 30,000 pairs of dataset and prepared long-context RAG and blocked specific keywords and sentences.

SKILLS

- **Programming Languages:** Python, C++, and JavaScript
- **Frameworks & Tools:** Django, Flask, Next.js, React, and Tensorflow
- **Technical Skills:** Full Stack, EC2, RESTful, Websocket, Redis, Celery, and SQL

EDUCATION

- **University of California, Irvine**
- **B.S. in Informatics** (Expected graduation: Winter 2025)