

# HYUNSU LEE

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Right to work in the UK — no visa sponsorship required

## PROFILE

2025 Computer Science graduate who has shipped data-heavy products to paying customers through my own projects. Sole developer of Estait, a desktop app used by 20+ paying real estate agencies in Seoul that brings listings from multiple platforms and government records into one search, and the agencies' direct contact for setup and troubleshooting. Build frontends in React and Next.js, with Python from automation work and coursework. Keen to join an engineering team, learn through code review and design discussions, and grow ownership of a system area.

## EDUCATION

**BSc Computer Science — University of London (remote) — Upper Second-Class Honours (2:1)** 2021 – 2025

- Used coursework to prototype tools for the agency I worked at (Python area-comparison app, React Native listing-sharing app); final project Numatas below.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, SQL, Kotlin

**Frontend:** React, Next.js, Electron, Chrome extensions (content scripts, service workers), React Native

**Backend & Data:** Node.js, NestJS, Supabase (PostgreSQL), SQLite, TypeORM, Firebase, WebSockets

**AI & Integrations:** Claude/Codex CLI integration, MCP, Gemini API, OpenAI API, Stripe, Google Sheets API, Puppeteer, Playwright, Pywinauto

**Languages (spoken):** Korean (native), English (fluent)

## EXPERIENCE

*Roles from 2021 to mid-2025 were part-time, alongside full-time BSc studies.*

**Sole Developer — Estait (part-time, own product)** May 2025 – Present

*Desktop SaaS for real estate agencies | Electron, TypeScript, SQLite, Supabase, Stripe*

- Built and run a production desktop app used by 20+ paying real estate agencies in Seoul, owning product decisions, architecture, UI and releases.
- Designed a normalised SQLite schema joining listing details, floor plans, orientation and government records into one filtered search across listings from multiple platforms.
- Work directly with each agency: onboarding them, installing the app on their PCs, then remote support and troubleshooting in production.
- Integrated listing platforms that offer no public API by mapping their web data flows with Postman and building session-based Puppeteer/Playwright automation; added a Gemini-powered chat assistant that answers agents' questions with listings from the local database.
- Implemented per-device licence verification, Supabase-backed subscriptions and Stripe payments for 20+ paying agencies.

**Part-time Developer — GSD London (decorating & painting contractor)** 2026 – Present

*Internal client management platform (CRM) | Next.js, Supabase (PostgreSQL), MCP*

- Working with GSD London on its internal platform, contributing features that bring clients, quotes and jobs into one place, replacing spreadsheets and chat threads.
- Helping expose the CRM through a Model Context Protocol (MCP) server so Claude can query and act on live client and job data, e.g. retrieving a client's history or drafting a quote from chat.

**Sole Developer — JipXL (Chrome Web Store extension)** Nov 2025 – Present

*Data export tool with paid plans | TypeScript, Chrome Extension APIs, Google Sheets API, Stripe | [jipxl.com](https://jipxl.com)*

- Shipped an extension that captures the listing data a user is viewing and exports it to Google Sheets, merging with existing sheet data, via message passing across Chrome's isolated contexts; Stripe billing; 135 downloads on the Chrome Web Store.

**IT Support & Automation Developer (part-time) — DwiorA Real Estate, Seoul** Dec 2021 – May 2025

- Worked directly with agents on their manual work. Turned listings shared in messenger group chats into structured data: a Python script, running on a Raspberry Pi with Windows + Pywinauto, polls the messenger every 30 seconds, extracts listings with regex and updates a Google Sheet — saving hours of manual work daily.
- Built an Electron + Puppeteer tool that bulk-uploads property adverts to multiple listing sites, and a Chrome extension for structured property notes adopted by the entire office.

## PROJECTS

**Numatas — real-time CMS for real estate agents (final-year project) | Next.js, NestJS, PostgreSQL, WebSockets** 2025

- Shared client records and task queues in real time; evaluated CRDTs and chose optimistic locking over WebSockets for concurrent edits. Agents rejected the web app in testing, which led to Estait's local-first design.

**Munhae Studio (personal project) — AI-assisted Classical Chinese translation workspace** 2026 – Present

*Developed solo | Electron, TypeScript, React | [munhaestudio.com](https://munhaestudio.com)*

- Beta desktop app for Classical Chinese translators: local-first projects with terminology, side-by-side review and AI translation via the user's own Claude/Codex/Antigravity CLI. Builds on my earlier batch-translation tool (2025), which cut a translator's first drafts from weeks to hours.

**Low FODMAP for IBS (Android) | Kotlin, Firebase** 2020

- Korean-language IBS food tracker with per-food reaction logging; 12,000+ downloads and a 4.3★ rating on Google Play.