Jacob Soendergaard

AI agents & automation developer

Copenhagen hi@jacobsoendergaard.com jacobsoendergaard.com Student job or freelance, 10-20 h/week

Computer Science student at Aalborg University Copenhagen, graduating in 2028. I build AI agents, automation and native iPhone apps, and have designed and built two complete apps on my own, from the first screen to the backend and billing.

EXPERIENCE

Freelance AI and web developer · Self-employed — 2024 – now

- Client websites built with AI-assisted development and generative visuals
- AI support agents that answer incoming enquiries and move new customers from first question to a quote faster, so staff skip the routine questions
- Fine-tuned local language and image models for client projects

PROJECTS

CaloMatic · AI calorie tracking for iPhone · calomatic.app — 2026 – now

- LiDAR meal scanner that finds the plate's plane, builds a height map and turns depth into food volume
- Adaptive calorie coach: a Kalman filter refined by a GRU network trained in PyTorch on 2 million simulated people, running natively in Swift
- Multimodal meal scans with structured outputs on a model chain that falls back automatically; food lookups cut from 28 ms to 2.9 ms

PepNote · Peptide and GLP-1 tracking for iPhone · pepnote.app — 2026

- Designed and built alone in SwiftUI, from onboarding to subscriptions, and submitted to the App Store
- AI assistant that edits real records through tool calls, with undo on every action and a spend cap per account
- Supabase and PostgreSQL with row-level security and sync across devices; Edge Functions for streaming AI chat and billing

Agent systems and fine-tuning · Personal projects — 2025 – 2026

- MCP servers and agent skills for Claude Code, Cursor and Codex, one of which lets agents reuse shared web components
- Hermes Agent and OpenClaw set up for marketing and support, with subagents and model routing
- LoRA fine-tuning of FLUX for images and Qwen for more consistent RAG answers

SKILLS

AI	Agents, tool calling, MCP, RAG, LoRA, multimodal LLMs · Claude Code, Cursor, Codex, OpenRouter
iOS	Swift, SwiftUI, LiDAR and depth, RevenueCat, App Store submission
Backend	Supabase, PostgreSQL, TypeScript, Deno, Cloudflare, Typesense
Also	Python, PyTorch, NumPy, Java, C, JavaScript, Git, Figma
Languages	Danish (native), English (fluent)

EDUCATION

BSc Computer Science · Aalborg University Copenhagen — 2025 – 2028

- 3rd semester. Algorithms, data structures and web programming

HTX · NEXT Sukkertoppen — 2022 – 2025

- Computer Science and Geoscience