

AI Engineering Intern

Alexis Bonnard

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/** Second-year CS student at 42 Nice, focused on applied AI and LLM infrastructure. I build performance-first developer tools in Rust and Python – most recently SwiftLLM, a universal LLM gateway. I care about how systems behave under the hood: latency, memory, throughput. */
```

skills {

```
{
  languages: ["Rust", "Python", "C / C++", "TypeScript"],
  ai / llm: ["LangChain", "Ollama", "LM Studio", "RAG", "Local inference"],
  infra: ["Docker", "Kubernetes", "AWS", "GitLab CI"],
  web: ["React", "Svelte", "Node.js", "PostgreSQL", "GraphQL"],
}
```

projects {

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> SwiftLLM github.com/Elyeden0/swiftllm 2025 – ongoing
// Rust · LLM Infra
A universal LLM gateway written in Rust – a faster and safer alternative to LiteLLM. Unified API across OpenAI / Anthropic / Ollama providers, async streaming, request routing.
→ Designed an async Rust core for low-overhead provider routing and streaming.
→ Built a unified schema layer that normalizes responses across providers.
→ Hardened the gateway with input validation, key isolation, and rate limiting.

> RAG_against_the_machine 2025
// Beta tester
Beta-tested a retrieval-augmented generation framework, providing feedback on chunking strategies and embedding pipelines.

> Unileverse PoC 2025 – with EDHEC Business School
// Web3 · AI
Built a proof of concept exploring AI-assisted onboarding flows in a Web3 context.
}
```

experience {

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fn fullstack_developer(Freelance) Dec 2025 – Present
→ Shipped full-stack apps end-to-end (Node.js, React, PostgreSQL) deployed on Railway and Vercel.
→ Designed REST APIs and database schemas, applying secure-by-default patterns.
→ Worked in Agile sprints with code review and CI on GitLab.
}
```

education {

```
42 Nice
Bachelor – Software Engineering (2nd year)
Nov 2024 – Present
→ Hackathons: ETH Global (Web3, AI, security tracks).
→ Head of student association.
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lang {

```
French... Native
English... Fluent
Spanish... Basic
}
```

interests {

```
• Local LLM tinkering
• HackTheBox CTFs
• Systems programming
• Biking
• Music
}
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}
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