

JULIUS BRUSSEE

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EDUCATION

Leiden University

B.Sc Data Science and Artificial Intelligence

Leiden, NL

September 2025 – Present

- Education Committee at Leiden Institute of Advanced Computer Science (LIACS) (Oct 2025–Present)
- Reviewing course structure, representing student perspectives, and strengthening faculty-student communication

International Baccalaureate® (IB) Diploma Program (DP)

Utrecht, NL

Completed 2024

- 3x Elected Year Representative (2020–2024), representing 240+ students
- Founded Python Club (2020–2023), teaching programming to 12+ age group
- 2x Recipient of Creativity, Activities, Service Award

PROFESSIONAL EXPERIENCE

[Stacklink](#) (TU Eindhoven Innovation Contest)

October 2025 - Present

Founding Engineer

- Building an enterprise RAG platform that serves as organizational memory, integrating with Slack, Notion, and GitHub.
- Architected full-stack TypeScript system (Next.js 14, React Server Components) with 96,000+ lines of production code
- Implemented PostgreSQL with pgvector for semantic search, combining vector similarity and BM25 hybrid retrieval
- Built multi-agent LLM orchestration with query intent classification and claim-level citation system
- Designed multi-tenant auth with workspace-scoped security, RLS policies, and rate limiting
- Created incremental sync pipeline reducing re-processing by 80%+

[Pitchr](#) (First Developed at [HackEurope](#) 2026)

February 2026 - Present

- Building an AI pitch training platform that helps founders and teams rehearse, evaluate, and improve startup pitches through structured feedback and session analytics
- Built an agentic memory system that identifies recurring weaknesses across sessions and uses prior performance data to deliver progressively more targeted feedback and improvement suggestions
- Architected live practice workflow with ElevenLabs conversational agents, timed sessions, progress tracking, and post-session analysis
- Developed AI-driven pitch evaluation systems based on winning pitches from incubators like YCombinator, a16z, etc, focused on clarity, structure, delivery, and persuasiveness
- Designed monetization foundations including credit logic, pricing architecture, and referral-driven growth features
- Improved landing page UX, launch flow, and performance to support public release

[Revu Labs](#)

January 2024 – Present

Founder

- Built Swift 5.10+ application with SwiftUI using strict MVVM architecture
- Implemented custom Duolingo-Inspired FSRS (Free Spaced Repetition Scheduler) with adaptive response-time tuning and due-date adjustments
- Designed atomic JSON/JSONL storage with actor-based writes ensuring zero data corruption
- Created multi-agent AI framework with Pydantic-based orchestrator for task lifecycle management
- Integrated Web Search agent for real-time web grounding, achieving 98% schema accuracy
- Developed Supabase Edge Functions backend with full Stripe subscription management and AI credit allocation with smart credit allocation depending on usage, time, and external data sources

[Locked In](#)

Jan 2024–Nov 2025

Founder & iOS Developer

- Engineered native Swift app (SwiftUI, UIKit, Family Controls API) with modular MVC architecture
- Shipped beta to 60+ TestFlight users in under 4 months, achieving 100% week-1 retention
- Designed and sourced NFC hardware (<€1/unit cost) through international suppliers
- Built complete marketing ecosystem reaching 19,000+ views
- Authored technical Medium articles on Family Controls API implementation

PROJECTS & OUTSIDE EXPERIENCE

The Prompt Library

Ongoing

Lead Developer and Maintainer

- Designed YAML-based prompt schema with machine-parseable structure for consistency
- Developed Python toolkit with interactive CLI and workflow runner for multi-step prompt chains
- Implemented search indexing with schema validation and LLM testing for quality assurance
- Built Model Context Protocol server enabling external client integration
- Adopted by enterprise teams ([Capital One](#)) for prompting workflows and standardization

Neurabridge

Member

Jan 2023 - Jan 2024

- Delivered live training to startups and fintech firms (Social Impact Factory, ScopeX)
- Grew newsletter to 650+ readers, cited by The Economist
- Led workshops reaching 100+ university students and faculty
- Built custom Learning Management System for client training programs

ACTIVITIES & LEADERSHIP

Model United Nations

Delegate

Raleigh, NC

Jan 2018 – Aug 2019

Academic Support Initiative, ISUtrecht

Founder

Utrecht, NL

Sep 2020 – Apr 2023

SKILLS & INTERESTS

- **Languages & Frameworks:** Swift, SwiftUI, TypeScript, Python, Next.js 14/15, React
- **AI/ML:** RAG architectures, LLM orchestration, OpenAI embeddings, multi-agent systems, prompt engineering
- **Databases:** PostgreSQL, pgvector, Supabase, SwiftData
- **Backend:** Supabase Edge Functions, Deno, Firebase, Stripe integration
- **Testing & DevOps:** Comprehensive test coverage, database migrations, CI/CD workflows, GitHub Actions
- **Native Development:** macOS/iOS native apps, UIKit, Combine, Family Controls API
- Additional: Model Context Protocol, YAML schema design, NFC hardware integration