

Gian Luca Pecile

Frontend engineer building design systems and high-craft product interfaces.

hello@glpecile.xyz | Buenos Aires, Argentina | glpecile.xyz | github.com/glpecile

EXPERIENCE

POAP - Proof Of Attendance Protocol

Buenos Aires · Hybrid

Software / Frontend Engineer

Jan 2025 - Present

- Build and own reusable React/TypeScript components and shared UI patterns for POAP – the web3 protocol for issuing digital collectibles (NFTs) – keeping the interface consistent and high-quality at scale.
- Ship polished, high-traffic collectible (NFT) interfaces end to end – from UI implementation through code review and release – improving reliability, performance, and product feel.

ITBA - Instituto Tecnológico de Buenos Aires

Buenos Aires · Remote

Teaching Assistant

Mar 2024 - Jul 2025

- Led technical sessions and code reviews on multiplatform mobile development, instilling production-grade engineering best practices.
- Mentored students through architecting and shipping apps across iOS and Android.

Aligned

Buenos Aires · Hybrid

Software Engineer

Dec 2023 - Sep 2024

- Designed and built the user-facing block explorer for zero-knowledge proofs in the Aligned verification layer – turning dense, real-time on-chain proof and batch data into a clear, legible interface.
- Owned the product from concept to production across the user-facing interface, protocol API integration, and the backend services / data pipelines that index and aggregate on-chain data.

Constellation Network

Remote

Frontend Engineer

Aug 2022 - Mar 2023

- Designed and built an anonymous chat app authenticated with a web wallet – wallet-based sign-in was novel at the time – owning the product UI end to end.
- Developed production React/TypeScript interfaces for a web3 distributed-ledger network, delivering features against evolving protocol APIs.

ITBA Computer Society

Buenos Aires

Social Media Designer

Nov 2019 - Dec 2021

- Produced brand and design assets for a student technology community.

PROJECTS

glpecile.xyz – Personal site & design system

Astro / TypeScript / Tailwind CSS

- Designed and built this site as a hand-crafted component system – consistent type, color, and motion tokens driving every page from a single config.
- Engineered a custom CV generator that renders a typeset PDF programmatically (pdf-lib) from the same content source as the live site.
- Sweated the details: reveal/stagger animations, keyboard shortcuts, dark/light theming, and an /llms.txt export for agents.

lugia

React Native / Expo

- Built a cross-platform (iOS / Android / web) blog application with Expo from a single shared UI codebase.

Human-in-Picture – Privacy-Preserving CNN (Thesis)

Python / PyTorch / Concrete ML (FHE)

- Engineering thesis: a CNN that detects human presence in images while running inference entirely on encrypted data via fully homomorphic encryption (FHE) – no server-side decryption.
- Trained a PyTorch CNN and compiled it with Concrete ML (Zama) for homomorphic inference; benchmarked accuracy and latency across input resolutions (32-128px).
- Shipped an interactive proof-of-concept web app demonstrating end-to-end private inference.

SIA - AI Systems

Python / NumPy / AI/ML

- Implemented perceptrons, search, and optimization algorithms from scratch in Python.
- Trained and evaluated neural-network and AI models across multiple problem sets.

srt-cli

TypeScript / Bun

- Authored and published an open-source CLI that converts plain text into .srt subtitle files.

ITBA Systems Coursework

C / Java / PostgreSQL / Redis

- Cryptography & steganography tooling, a multithreaded socket server in C, distributed object computing in Java, and a Postgres/Redis-backed data platform.

SKILLS

Frontend & UI	React, Next.js, TypeScript, CSS, Tailwind CSS, React Native / Expo, Astro, Responsive & accessible UI	Design Systems & Craft	Reusable component libraries, Design tokens & consistency at scale, Animation, motion & interaction design, Information-dense UI
Languages	TypeScript, JavaScript, Python, Elixir, Java, C, SQL	Backend & Data	Phoenix (Elixir), Data pipelines & indexing, PostgreSQL, REST APIs
AI / ML	Machine learning (PyTorch), Privacy-preserving ML (FHE, Concrete ML), LLM application patterns	Cloud & Tooling	Cloudflare Workers, Vercel, Git, CI/CD

EDUCATION

Instituto Tecnológico de Buenos Aires Buenos Aires, Argentina
Software Engineering, Computer Software Engineering Mar 2017 - Feb 2025
- Thesis: privacy-preserving image classification with fully homomorphic encryption (CNN + Concrete ML / Zama).

Southern International School Buenos Aires, Argentina
High School Diploma 2011 - 2016

LANGUAGES

Spanish	Native	English	Native (IB Higher Level)
Italian	C1 (CILS certified)	Portuguese	Conversational (IB Standard Level)

CERTIFICATES

Animations on the Web Course
Emil Kowalski Issued Aug 2024
- Certificate: Animations on the Web Course Certificate taught by Emil Kowalski

Certificazione di Lingua Italiana come Lingua Straniera, livello C1 (CILS)
Universita per Stranieri di Siena Issued Dec 2016

International Baccalaureate (IB) Certificate (Economics, English, Italian, Portuguese, Spanish)
International Baccalaureate Issued Nov 2016

International General Certificate of Secondary School (IGCSE)
University of Cambridge Issued Nov 2014