

# Guilherme Loges

Full-Stack Software Engineer

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## EDUCATION

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### University of Colorado Boulder

Expected Dec 2026

B.S. Computer Science, Machine Learning Specialization

Dean's List: Spring 2024 · Coursework: Machine Learning, Computer Vision, Intro to AI, Advanced Data Science

## SKILLS

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<b>Engineering</b>	Python, C++, JavaScript, React, Node.js, NestJS, Express.js, PostgreSQL, Docker, REST APIs, Git, Linux
<b>Mobile &amp; POS</b>	Expo (React Native), Android (Kotlin), Clover POS SDK
<b>Cloud &amp; Infra</b>	AWS CDK, S3, LocalStack, Nx Monorepo, GitHub Actions CI/CD, Prisma ORM
<b>AI / LLM</b>	Gemini API, ChatGPT API, LLMWhisperer, RAG, vector databases, TensorFlow, PyTorch, scikit-learn
<b>Data Science</b>	NumPy, pandas, matplotlib, OpenCV, data preprocessing & analysis
<b>Languages</b>	Portuguese (Native), English (Fluent), Spanish (Fluent)

## EXPERIENCE

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### Volix Pricing

Jun 2025 – Aug 2025

Machine Learning Intern

São Paulo, Brazil

- Raised ML model accuracy from 62% to 87% through targeted data augmentation strategies
- Engineered automated PDF-to-table pipeline using Gemini API and LLMWhisperer, cutting manual data processing by 50%

### Munai AI Healthcare

Jun 2024 – Jul 2024

Software Engineer Intern (ML Systems)

Curitiba, Brazil

- Built voice-to-text medical assistant using ChatGPT API, reducing doctor report writing time 10x (30 min → 3 min); deployed at Hospital de Olhos do Parana

## PROJECTS

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### Recurra – Loyalty Platform for Local Businesses

May 2025 – May 2026

React · Expo · NestJS · Prisma · PostgreSQL · Android (Kotlin) · AWS CDK · Docker · Nx Monorepo

- Architected and shipped a multi-platform loyalty system — React web dashboard, Expo mobile app, and native Android Clover POS app — with 180+ production deployments on AWS
- Built NestJS backend with Prisma ORM, AWS CDK infrastructure, and CI/CD via GitHub Actions across a 5-person team in an Nx monorepo

### Eye Mouse – Computer Vision Accessibility Tool

Jul 2025

Python · OpenCV · PyQt6 · NumPy · Haar Cascades

- Built hands-free mouse control system using real-time Haar Cascade eye tracking, achieving sub-50ms latency with a multithreaded PyQt6 GUI and live webcam feed

### Stonks – Full-Stack Paper Trading Platform

Mar 2024

React · Node.js · Express · PostgreSQL · Flask · Docker · Chart.js

- Built stock trading simulator with a team of 5 — authentication, portfolio tracking, real-time Yahoo Finance/Finnhub data, and optimized PostgreSQL leaderboard in a Dockerized architecture

## LEADERSHIP

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### BRASA – Brazilian Student Association

Jul 2024 – Feb 2026

Director of Finance

Boulder, CO

- Managed budgets and produced financial reports for a 100+ member organization