

# George Latos

MSc Human-Centered AI Student & Full Stack Developer

Passionate about crafting applications tailored to unique user and business needs. Experienced in building intelligent systems, distributed applications, and real-time monitoring solutions. Focused on full stack development, AI, and production-ready software.

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## EDUCATION

### MSc Human-Centered AI

University of Gothenburg - Department of Applied IT

2025 - PRESENT

Focus on explainable AI, transparency, and human-centered design principles. Combining programming expertise with design thinking and AI ethics.

### BSc Software Engineering & Management

Chalmers University of Technology / University of Gothenburg

2022 - 2025

Thesis: The Impact of AI-Assisted Coding on Full Stack Development.

Focus on distributed systems, software architecture, and agile methodologies.

## PROFESSIONAL EXPERIENCE

### Full Stack Developer & AI Engineer

RENER Energy S.A. - Remote, Greece

2025 - PRESENT

Built critical alarm monitoring service for energy parks with real-time error detection, automated ticketing, alerts, and power-loss reporting.

Developing Energy Management Systems and HENEX trading platform integrations.

Building RAG systems, predictive analytics, document pipelines, and production data workflows.

### Web Developer

Technologic - Freelance

JAN - JUN 2025

Designed and built responsive websites with modern frontend technologies.

Delivered custom WordPress and Elementor solutions with high client satisfaction.

## SELECTED PROJECTS



### Chrysolefou - AI Recipe Platform

FULL STACK / AI

Custom Next.js website with CMS for TV chef. Built vector recipe search, AI recipe assistant, and translation tools for multilingual content.

Website TypeScript Embeddings CMS



### G. Masouras - Real Estate Website

WEB / CMS

Bilingual real estate platform with SEO-first property pages, appointment booking, remote project data, custom CMS, localized schema, and sitemap generation.

Website React Booking SEO



### Muni-Compass - Municipal AI Analysis

NLP RESEARCH

Pipeline for analyzing Swedish municipalities: PDF-to-Markdown conversion, vector embeddings, and sustainability coherence scoring.

Python Scikit-learn B6E-M3 NLP



### AI Generated Code in MERN Apps - Thesis

RESEARCH

Bachelor thesis comparing Phi 4 and Llama 3.1 file replacements against human code with SonarQube, ESLint, Lighthouse, OWASP ZAP, and Wilcoxon tests.

lat0s.com/thesis MERN LLM Eval Security



### Green Thumb - Plant Monitoring System

IOT

Android app with Wio Terminal sensors, MQTT protocol, Node.js backend, and real-time plant health monitoring. Led Android and hardware integration.

Android Java MQTT Node.js

## TECHNICAL SKILLS

### AI & Machine Learning

RAG Systems

NLP

LLM Integration

LangChain

LangGraph

Scikit-Learn

Embeddings

Document AI

Finetuning

ChromaDB

### Backend Development

C#

.NET

Python

Node.js

PostgreSQL

InfluxDB

REST APIs

### Frontend Development

React

Vue.js

Next.js

TypeScript

HTML/CSS

### Tools & DevOps

Git

Docker

CI/CD

Linux

Tauri

## LANGUAGES

Greek Native

English Proficient (C2)

Swedish Fluent

## INTERESTS

Graphic Design

Photography

UI/UX

Full Stack Development

Rapid Development

AI Engineering

Open Source