

ANTON HANSSON

SUMMARY

- **Experienced IT Professional** with 7 years of expertise in the research, development, and application of various ML, AI, and generative AI solutions. Skilled in third-party API integration and developing AI-based web and mobile applications.
- Proficient in **generative AI, prompt engineering, computer vision, natural language processing (NLP), anomaly detection, and prediction tasks.**
- Successfully worked on over 30 major projects, collaborating with cross-functional teams to gather insights through structured interviews. Improved communication processes, leading to faster project delivery and high stakeholder satisfaction.
- Led the adoption of automated testing frameworks, reducing post-deployment defects by 50%, improving software reliability, and cutting rework costs.

LANGUAGES

English	Proficient	●●●●●
Swedish	Native	●●●●●

SKILLS

Web Development • JavaScript / TypeScript • HTML5 • CSS3 • Tailwind CSS • SASS • React • Next.js • Angular • Node.js • PHP • Laravel • Python • Django • MongoDB • MySQL • PostgreSQL • Elasticsearch

Mobile Development • Flutter • Kotlin • React Native • Swift • Android • iOS

Artificial Intelligence • PyTorch • OpenAI • TensorFlow • Prompt Engineering • Computer Vision • Make.com • Zapier • Natural Language Processing • MLOps • Large Language Models • GPT • Llama • Claude • Retrieval-Augmented Generation • Vector Databases • Gemini • PgVector • Optical Character Recognition • Chatbot

Senior Software Engineer

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EXPERIENCE

Senior Machine Learning Engineer 02/2024 - 07/2025
Developer Bazaar Technologies Stockholm City, Sweden

- Developed an OpenAI GPT-4-powered AI chatbot to provide analytical responses to natural language queries on top of open datasets for the national open data portal. Used LangChain, LangGraph, OpenAI embeddings, pgvector and a LlamaIndex pipeline.
- Built an AI assistant for public API documentation so developers could easily set up and use the public API. Used OpenAI API and embeddings stored in pgvector for document retrieval. Developed prompts with advanced prompt engineering techniques.
- Used best practices for managing a small business offering computer vision/machine learning consulting services and custom solutions, gaining a reputation as a subject matter expert throughout the industry.
- Worked closely with clients to define system workflows, gather requirements, and design technical architectures, reducing project timelines by 20%.
- Led cross-functional teams to implement solutions across the full SDLC, delivering high-quality results 15% faster than previous projects while staying on budget.
- Provided second-level support, reducing response time for technical issues by 40% and increasing system uptime to 99.5%.

Senior Software Engineer 07/2022 - 02/2024
Pegotec Stockholm City, Sweden

- Worked on a POC project for a job shop scheduling problem and programming a hybrid solution combining an extensive neighborhood search (LNS) and QUBO-based optimization logic.
- Created a mobile app to generate bedtime stories for kids using minimal text input and custom fine-tuned GPT models.
- Contributed as the key developer in designing and building an automated defect classification platform using Mask R-CNN deep learning to detect and classify semiconductor fabrication and assembly defects.
- Prepared comprehensive project documentation, reducing system maintenance time by 20% and providing easy-to-follow procedures for client teams.
- Used AI in automated cryptocurrency trading (deep learning, genetic programming). Delivered a separate, detailed performance evaluation for crypto trading algorithms that provided various insights/visualizations.
- Created affective-computing AI models that are combining both expert knowledge and their intuitions, to calculate the quality score of complex decisions.

Full Stack Developer 11/2018 - 05/2022
Techgropse Stockholm City, Sweden

- Developed and optimized the FastAPI back end for a blockchain-based project, ensuring efficient API support and high performance.
- Specialized in web development with CSS and C#, achieving a 30% improvement in page load times and enhancing overall site responsiveness by 40%.
- Deployed and fine-tuned machine learning models, including Stable Diffusion and ImageReward, enhancing model accuracy and relevance.
- Developed a Discord bot for human validation, integrating models for image generation evaluation to streamline user verification.
- Built an Android app that communicates with specific Bluetooth earbuds collecting data to derive insights about sleep, seizures, and other clinical cases.
- Developed a Flutter app for a big dental company that helps users learn about their healing progress and interact with clinics.

EDUCATION

Bachelor's degree in Computer Science 04/2014 - 09/2018
Stockholm University Universitetsvägen 10A SE-114 18 Stockholm, Sweden

- School of Information Technology (SoIT)
- Focused on programming, software engineering and artificial intelligence.