

Gilad Pagi

Software Engineering Leader & AI Engineer | Ph.D. Mathematics

Los Angeles, CA

(310) 890-7113

Gilad.Pagi@gmail.com

linkedin.com/in/giladpagi

Software Engineering Leader and AI Engineer with a Ph.D. in Mathematics from the University of Michigan. Experienced in designing and leading large-scale system architectures, production ML and data pipelines, and enterprise-grade AI solutions. Former Staff Software Engineer at Google with a track record of mentoring engineers, driving technical direction, and collaborating with researchers.

EXPERIENCE

AI Engineer

TWG.ai

Delivering high-performance AI solutions to solve real business problems. Building SOC 2 compliant AI systems grounded with proprietary business knowledge. Enterprise-grade AI applications for diverse industry clients. Designed AI evaluation system architecture. Led database design and schema modeling. Established CI/CD pipelines and AI-Ops practices.

[Python](#) [LangGraph](#) [Azure](#) [CI/CD](#) [AI-Ops](#) [OpenAI](#) [Anthropic](#) [FastAPI](#) [Redis](#)
[Database Design](#)

Staff Software Engineer & Tech Lead (L6)

Google · Ads

Tech Lead of a mission-critical, ML-based prediction engine serving billions of daily queries to forecast ad clicks, conversions, and cost. Architected high-performance, low-latency system with strict SLAs at massive scale. Led team in data pipelines, feature engineering, and real-time ML inference. Built GenAI/Agentic systems for code development and reasoning.

[C++](#) [Python](#) [ML Prediction](#) [Low-Latency](#) [SQL](#) [Protocol Buffers](#) [GenAI](#)

Founder & Head Consultant

GP Group LLC

Software engineering consultancy. Clients: Amcor, Karamba Security, FireLayers (ProofPoint). Malware detection, browser security APIs, custom BI solutions. Technical due diligence for investors.

[Python](#) [Django](#) [MongoDB](#) [Android](#)

Sr. Software Developer & Team Lead (Captain)

Israel Defense Forces (IDF)

Led team of 8 engineers. Developed solutions on networked systems. Spearheaded internal coding bootcamp. Research in OS, networks, security, and mobile technologies.

[Python](#) [C](#) [Linux](#) [Security](#)

Engineer (Lieutenant)

Israel Defense Forces (IDF)

Performance analysis of complex systems. Assembled new tools resulting in exceeded KPIs.

Instructor

University of Michigan & Technion

Taught Calculus, Linear Algebra, and C-language. Created GRE Math MOOC ([SubjectMath.com](#)) with 80 hours of materials and 12,140+ students.

May 2025 - Present

2018 - May 2025

2015 - 2018

2010 - 2014

2005 - 2017

EDUCATION

University of Michigan, Ann Arbor

Ph.D. in Mathematics

2015 - 2018

NSF-supported research

Technion – Israel Institute of Technology

M.S. Mechanical Engineering

Summa Cum Laude, GPA 99.9/100

B.S. Mechanical Engineering

Summa Cum Laude, 1st in class, Valedictorian

B.S. Mathematics

Summa Cum Laude, 1st in class, Valedictorian

2003 - 2007

SKILLS

AI & Machine Learning

Agentic AI, LangGraph, LLM APIs (OpenAI, Anthropic, Google), GenAI Systems, Time Series Analysis

Languages & Frameworks

Python, C++, C, SQL, FastAPI, Django, Protocol Buffers

Infrastructure

Azure, GCP, Docker, Redis, MongoDB, Linux, Git

Data Engineering

Pandas, Polars, Flume, SQL, ML Pipelines

AWARDS

★ Top performance reviews & accelerated promotions at Google

★ National Mathematics Olympiad Medalist

★ National Public Speaking Contest Winner

★ Two-time IDF Excellence Award

★ Top 20 Most Promising Students in Israel (Globes)

★ National Award from Israeli Parliament

★ IDF Officers' Training with Honors

★ WSEAS Conference Speaker (Athens)