

Omar Olivares Urrutia

Artificial Intelligence Engineer

Holanda 50, 7510043, Providencia, Metropolitan Region, Chile CL

🔗 <https://olivares.cl> ✉ omar@olivares.cl 📞 +56983810103

🌐 [ofou \(https://www.linkedin.com/in/ofou/\)](https://www.linkedin.com/in/ofou/) 🐙 [ofou \(https://github.com/ofou\)](https://github.com/ofou)

🐦 [omarnomad \(https://x.com/omarnomad\)](https://x.com/omarnomad)



I'm a Software Engineer with a strong background in Artificial Intelligence (AI) and Machine Learning (ML) who loves turning complex ideas into practical solutions. I've worked as an AI Engineer, Developer Relations Engineer, and freelance content creator, crafting engaging AI-focused content. I've helped build AI-powered products such as Kilo Code (an autonomous coding agent), Emergent Mind (a RAG system for CS research), and a range of scalable web applications for early-stage startups.

SKILLS

Programming Languages

Expert

Python | SQL | JavaScript | LaTeX

Top Skills

Expert

Python (Programming Language) |
Machine Learning |
Artificial Intelligence (AI)

Frameworks

Advanced

PyTorch | Hugging Face | React |
Tinygrad | MLX

Tools

Intermediate

Git | Docker | CI/CD

Big Data

Advanced

Azure | GCP | AWS | MongoDB |
PostgreSQL

AI/ML

Expert

RAG | LLMs | NLP | Computer Vision |
Langchain | Streamlit

Others

Intermediate

Jupyter | Linux

WORK EXPERIENCE

Mar 2025 - Current

Software Engineer & Developer Advocate at Kilo Code

📍 **San Francisco, CA, USA** 🔗 <https://kilocode.ai>

Leading development of Kilo Code's autonomous coding agent and building its developer community.

- Designed and implemented the agentic coding workflow with GPT-4o
- Authored the public SDK and tutorials, cutting integration time by 40 %
- Ran live streams that grew the community Discord to 2 k members in three months

Feb 2024 - Current

Artificial Intelligence Engineer at Emergent Mind

📍 **North Carolina, United States** 🔗 <https://www.emergentmind.com>

Leading AI development for Emergent Mind's innovative arXiv research discovery and learning platform. As part of a small, high-impact team, I'm helping build the next generation of AI assistants for learning and computer science research.

- Collaborate closely with the founder on product strategy and product development
- Implement and fine-tune deep learning models for research discovery and analysis
- Design pipelines with RAG to improve search result quality and relevance
- Conduct experiments to improve model performance and accuracy
- Oversee QA processes for AI-driven features
- Create tools for providing research-backed answers efficiently
- Conceptualize and prototype innovative AI features to drive platform growth

Sep 2021 - Jan 2025

Content Developer at Neura Pod

📍 **San Diego, California, United States** 🔗 <https://www.neurapod.com>

I lead content creation for Neura Pod, a popular series exploring cutting-edge neurotechnology topics including brain-machine interfaces, neurological conditions, and artificial intelligence. As a full-stack content producer, I translate complex scientific concepts into engaging, accessible content for a broad audience.

- Translated complex scientific concepts into engaging, accessible content for a broad audience
- Managed end-to-end production from ideation to publication
- Developed concepts, wrote scripts, recorded voiceovers, edited videos, and oversaw distribution
- Contributed to channel growth exceeding 80,000 YouTube subscribers
- Produced multiple viral videos surpassing 200,000 views each
- Expanded Neura Pod's presence across major social media platforms

Jul 2021 - Sep 2021

Intern at Neura Pod

📍 **San Diego, California, United States** 🔗 <https://www.neurapod.com>

Started my career in technical content creation, learning the basics of audiovisual production and scientific communication.

📍 **Remote** 🔗 <https://www.rayo.com>

Optimized MongoDB and SQL usage to reduce costs.

Jan 2020 - Apr 2020

Software Engineer at Rayo

📍 **Las Condes, Santiago Metropolitan Region, Chile** 🔗 <https://www.suncast.cl>

Help to rebuild the platform into a microservices-based architecture.

Jan 2016 - Dec 2018

IT Support Assistant at University of Talca

📍 **Curicó, Chile** 🔗 <https://www.otalca.cl>

Resolved network issues and provided technical support to students, improving the efficiency of the IT team.

Jan 2008 - Jan 2013

Music Producer at Ableton

📍 **Valencia, Valencian Community, Spain** 🔗 <https://www.ableton.com>

Composing, producing, recording, mixing, and mastering tracks for Artists in Valencia, Spain.

PROJECTS

Graham Essays

Jan 2023 - Mar 2023

🔗 <https://github.com/ofou/graham-essays>

Skills acquired: Python | EPUB | Web Scraping | Open Source

Developed a program that helps create an electronic book (EPUB) from a website in an automated way.

- Reached the frontpage of Hacker News at its launch (<https://news.ycombinator.com/item?id=32465435>)
- Built with Python and web scraping technologies
- Open-source project with active community contributions

VOLUNTEER

1/1/2020 - Current

Contributor at Open Source Projects

🔗 <https://github.com/ofou>

Regular contributions to open-source projects in AI and machine learning

- Contributed code to various open-source ML libraries

- Helped improve documentation for beginner developers

7/1/2021 - 9/1/2021

Software Engineer at Neuromatch Academy

<https://neuromatch.io>

Neuromatch is an online community of computational neuroscientists whose mission is to foster inclusive global interactions for learning, mentorship, networking, and professional development.

EDUCATION

2018 - 2024

Engineer's degree Artificial Intelligence at Universidad Católica del Maule

Major courses: [Natural Language Processing](#) | [Machine Learning](#) | [Deep Learning](#) | [Computer Vision](#)

Grade: 7.0

2015 - 2018

Engineer's degree Computer Engineering at Universidad de Talca

Major courses: [Computer Architecture](#) | [Data Structures and Algorithms](#) | [Software Development](#)

AWARDS

2023

Hacker News Front Page at Hacker News Community

Graham Essays project reached the front page of Hacker News, garnering significant attention from the tech community

CERTIFICATES

2023-01

EFSET English Certificate C2 Proficient

EFSET

<https://cert.efset.org/TqZ91i>

PUBLICATIONS

3 Feb 2024

[Bachelor Thesis](#) in Universidad Católica del Maule

Optimización de Modelos de Lenguaje para la Prueba de Acceso a la Educación Superior (PAES) de Matemáticas en Chile: Una prueba de concepto

LANGUAGES

Spanish

Native or Bilingual

English

Full Professional

Chinese Mandarin

Basic

INTERESTS

Technology

Skills acquired: [Neurotechnology](#) | [Brain-machine interfaces](#) | [Open source](#)

Art

Skills acquired: [Music production](#) | [Filmmaking](#) | [Technical writing](#)

Languages

Skills acquired: [Learning Mandarin](#)

Travel

Skills acquired: [Cultural explorations](#) | [Adventure travel](#) | [Culinary experiences](#)

REFERENCES

