

Toco Cruz

📍 Southern California, USA ✉ tococruz@email.com in tococruz 🌐 tococruz

Summary

Self-taught AI engineer and data scientist with strong applied mathematics background.

Expert in deploying agentic AI and full-stack platforms for business impact.

Proficient in Python, R, SQL, and data visualization.

Focus on designing and optimizing ML models for real-world problem solving.

Experience

Data Science Engineer, Innovation Team

Pasadena, CA

Kaiser Permanente

Nov 2024 – present

- >7000 line full-stack Data Analyst AI Agent; primary funded project of team.
- Designed scalable analytics/automation modules driving large-scale outcomes.

Data Analyst Intern

Pasadena, CA

Kaiser Permanente

May 2024 – Oct 2024

- Built SQL queries and PowerBI dashboards for patient and surgery data.
- Automated workflows with UiPath; supported deep learning research projects.

Education

University of California, Santa Barbara

Santa Barbara, CA

in Applied Mathematics

Sept 2019 – June 2023

- Applied linear algebra, SVD, advanced computation for predictive modeling.

Projects

CareerCopilot

July 2023 – present

All-in-one SaaS platform for jobseekers; automates resumes, job search, and applications.

- Founded startup; platform in funding stages with investors.
- Developed resume optimization, job-matching, and technical assessment modules.

CNN Image Classifiers

Feb 2022 – June 2022

Developed deep learning pipelines for robust image classification.

- Achieved 96.2% accuracy on cats/dogs; 99.3% on MNIST using transfer learning.
- Open-source: github.com/tococruz/computer_vision_using_CNN.

Skills

Programming: Python (Native), SQL (Proficient), R (Advanced), C# (Intermediate)

ML Engineering: Keras, TensorFlow, HuggingFace, PyTorch, scikit-learn

Data/Visualization: PowerBI, UiPath, Data dashboards, Automation

Mathematics: Linear algebra, SVD, numerical analysis, predictive modeling

Cloud/Dev: Git, full-stack deployment, SaaS design