

Christian DerManuelian

Data Scientist | Programmer | Systems Architect

Personal Website: <https://chris-derman03.github.io>

Linkedin: <https://www.linkedin.com/in/christian-dermanuelian-366614270/>

EDUCATION

University of California, San Diego September 2020 – June 2024

B.S. in Data Science | Focus on Computer Science

Warren Provost Honors, Major GPA: 3.45 / 4.00

TECHNICAL EXPERIENCE

Systems Architect & Forensic Scientist | Institute of Risk and Safety Analyses | Woodland Hills, CA

February 2025 – Present

- IT & Computer Systems Manager
- Web Dev & Programming
- Accident Reconstruction
- Drone Piloting
- 3D Modeling, Animations, Simulations
- Digital Forensics

Data Analyst Intern | Planet Bids | Studio City, CA

August 2019 – December 2019

Database Management | Data Analysis | Python

Software Engineer Intern | Seven Smarts LLC | Yerevan, AM

June 2019 – July 2019

Worked with SWE Team to write SQL Queries and Produce Data Analytics Reports for two Startups

Software Applications & Design Intern | TUMO | Yerevan, AM

June 2019 – July 2019

Taught Java Class | Worked with Graphic Design Team to Build Various 3D Modeling Projects

TECHNICAL PROJECTS

Please See <https://chris-derman03.github.io> for Details

Team Project - Hardware Acceleration for Deep Learning Algorithms
AI Pipeline - OCR to LLM
Website for IRSA (<https://www.irsa.us>)
Trained a Convolutional Neural Net Image Classifier
Data Analysis - Predicting Outcome Potential for Athletes

CONTACT INFORMATION

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SKILLS

Computer Network & Systems Design

Digital Forensics/Cybersecurity

Programming – Python (Over 10,000 lines) | C++ (Over 5,000 lines) | SQL (Over 500 queries) | Java (Over 2000 lines) | JavaScript | TypeScript (Over 1,000 lines) | C | R | ARM32 Assembly | MATLAB

Python – pandas | NumPy | PySpark | scikit-learn
Matplotlib | Seaborn | SciPy | Dask

ML/AI – TensorFlow | PyTorch | Keras | Various Neural Network Architecture | Computer Vision

Webdev – Next.js | TypeScript | D3.js

Drone Pilot

General – Git | Tableau | PostgreSQL | Docker | APIs | Web Scraping | UNIX | Apache Airflow | AWS | Computer Architecture | Pygame | Event Loops | Circuits | Embedded Systems | Raspberry Pi | Arduino | JSON

CERTIFICATIONS

CDR Technician - Collision Safety Institute

sUAS Remote Pilot - FAA

PROFICIENT LANGUAGES

English, Armenian