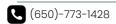
# Daniel DeFoe

# Data Scientist



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# **About Me:**

I am data scientist and data science educator with a love for problem solving and continuous learning. I am always hoping to learn relevant technologies, as well as apply tried-and-true tools with best principles to develop strong software that does its job well. I am looking for opportunities where there are interesting problems to take on and where people are looking to use data and information technologies for benevolent ends.

# **SKILLS:**

Python (10 years)

ML model development (9 years)

development (1 year)

Wears / Tensorflow (5

Computer Vision (4 years)

• SQL (9 years)

• Statistical Testing (9 years)

Keras / Tensorflow (5 years)

LLM and Gen Al

Pytorch (2 years)

AWS (5 years)

R (6 years)

 Natural Language Processing (5 years) Java (2 years)

# **WORK EXPERIENCE:**

## Data Science Expert Tutor - TripleTen

Jan 2021 - Present

- Provided individualized and group tutoring and academic support to over 1000 students enrolled in an online Python-based data science bootcamp
- Facilitated over 500 group workshops covering core data science concepts
- Developed instructional scripts for video-based learning materials
- Conducted over 200 mock interview sessions supporting entry level data scientists enter the workforce

## Mid-Level Data Scientist - Whitespace

Oct 2022 - Oct 2025

- Developed machine learning pipelines for systems within large AWS projects
- Used ensemble boosting models to reduce error of a government model by more than 50%
- Built an entity resolution system that was able to consolidate over 2 million accounts with duplicates down to 75k accounts across government database systems
- Worked on FastAPI systems to conduct operations on large databases in Databricks
- Interviewed and contributed to hiring other data scientists and developers
- Prototyped LLM systems that discussed business documents with customers using RAG

# **Backend Developer - Computer Vision Engineer** - KOS Technologies

Sept 2021 - Oct 2022

- Developing computer vision models for image classification
- Developed photogrammetry pipeline for mobile application

### Computer Vision - Advanced Technology Electronics Engineer - SNSR Fusion Technologies Feb 2021 - Sept 2021

- Used Yolov4 models with Tensorflow to make image classification and instance segmentation pipeline on edge devices for automotive safety technology
- Created a system to overlay arrows on pedestrians and cars tracking the direction of their movement in live video

### Research Assistant -Cal Poly Corporation

Feb 2020 - Mar 2022

- Led object detection and instance segmentation research in Python
- Augmented image data and maintained relative annotation placement
- Trained models with Faster R-CNN and Mask R-CNN frameworks on distributed GPU cloud systems
- On a different project, trained clustering models on Uber rides to study rider behavior

## **EDUCATION & CERTIFICATES:**

## **B.S in Statistics, minor in Data Science**

September 2016 - Jun 2020

California Polytechnic State University San Luis Obispo | San Luis Obispo, CA

**Nebius Generative AI Bootcamp Certificate** 

September 2024 - May 2025

**Tensorflow Certified Developer** 

December 2020 (Expired December 2023)

## OTHER INTERESTS:

Playing and making music | Audio Engineering | Hobbyist woodworking | Reading