JEREMY GERARD

Machine Learning Engineer

ACCOLADES

- US patent holder
- Member of Interpol's CACDevOps Group
- Member of Interpol's CACDevOps Group

SKILLS

Python	5+ yrs
Applied Data Science	5+ yrs
Cloud Engineering	5+ yrs
MLOps	5+ yrs
Docker / Kubernetes	3+ yrs
Robotics	3+ yrs

EDUCATION

2008 - 2011

Bachelor's Degree in Neuroscience & Mathematics

Temple University

CONTACT

Austin, TX

(908) 370-7440

jeremyegerard@gmail.com

linkedin.com/in/jeremygerard

github.com/jeremy-gerard

PROFILE

Cross-disciplined technologist, developer, and machine learning engineer with a neuroscience background and a passion for learning and problem solving, seeking to further a career in applied technology. Most interested in a role which demands and cultivates a diverse range of knowledge and technical aptitude, adaptive critical thinking, and creative solution design.

WORK EXPERIENCE

Machine Learning Engineer 2022 - 2023

Clearview AI

- Architected and implemented company-wide MLOps strategy
- Used ChatGPT for entity extraction from metadata
- Built and deployed multiple cutting-edge computer vision models for presentation attack detection and identity verification
- Standardized production ecosystem across machine learning frameworks, architecture and deployment, including unit testing and model optimization for CPU and GPU
- Delivered image enhancement and exposure correction algorithms used by investigators to assist in facial recognition from poor-quality photos

Lead Developer, Emerging Technology 2018 - 2022

Tyson Foods

Successfully architected and led the successful development and deployment of a diverse range of projects and soultions around ML, CV, hyperspectral imaging, IoT, robotics - most of which were recognized company-wide for their success in integrating new technologies ito the business for the first time, and enabling unprecedented improvements in business operations through data and automation

- Spearheaded the architecture, development, and implementation of two separate end-to-end MLOps pipelines in AWS to autonomously handle image collection from edge to cloud, image annotation and curation, model training and evaluation, and model deployment back to the edge
- Listed as a principal inventor on a pending patent for the design and architecture of a novel solution which autonomously measures internal temperature of cooked food products using a robotic arm, a 3D linescan camera, and an infrared camera
- Acted as data science lead for company-wide COVID-19 response effort. Devised forecasting, risk evaluation, and transmission rate factro models and personally develop4d a NRT-interactive dashboard and front-end used by Tyson's ELT