Dennis Loevlie

MACHINE LEARNING ENGINEER

Details

7248418769
loevliedenny@gmail.com

Links

Portfolio Website
GitHub
LinkedIn

Skills

Machine Learning
Deep Learning
Feature Engineering
Computer Vision
Time Series Analysis
NLP
Leadership
Communication
Problem Solving

Software

AWS
Git/GitHub
Python
Pytorch
Tensorflow
Sklearn
Django
Beautifulsoup
Selenium
Numpy
Matplotlib
Seaborn
Pandas

Profile

I am an innovative software engineer with a passion for Machine/Deep Learning.

Education

Ph.D. Chemical Engineering, University of Pittsburgh, Pittsburgh

JUNE 2021 — JUNE 2025

M.S. Chemical Engineering, Carnegie Mellon University, Pittsburgh

SEPTEMBER 2019 — DECEMBER 2020

Relevant Courses

- Introduction to Machine Learning
- Introduction to Deep Learning
- Linear Optimization (supply chain focused)

B.S. Chemical Engineering, West Virginia University, Morgantown

SEPTEMBER 2016 — MAY 2019

Relevant Courses

- Numerical Methods and Optimization

Employment History

Data/Software Engineer, NovAltion, Pittsburgh

JANUARY 2021 — JUNE 2021

- Developed web scraping scripts to automate data retrieval and keep the data up to date
- Automated the data/feature engineering
- Applied Machine Learning algorithms to generate intelligent predictions from the data
- Built and maintained relational and graph databases
- Built the front and backend of the NovAltion EliteAI website

Research

Graduate Researcher, University of Pittsburgh, Pittsburgh

JUNE 2021 — JUNE 2025

Working under Prof. Mpourmpakis (Yanni) in the CANELa group. My research is focused on applying machine/deep learning algorithms to work involving ligand-protected nanoclusters.

Graduate Researcher, Carnegie Mellon University, Pittsburgh

NOVEMBER 2019 — DECEMBER 2020

- Recreated image analysis tools in Python (originally in Mathematica) to be interactive, fast, and intuitive
- Trained and deployed a convolutional neural network classifier to extract valuable information from experimental image data
- Developed a Python package, nb_search, to efficiently sort through, locate and open Jupyter Notebook files
- Regressed parameters and used them for clustering of different bimetallic catalysts

Undergraduate Researcher, West Virginia University, Morgantown

APRIL 2017 — AUGUST 2019

Modeled, optimized a chemical processes in MATLAB — Funded by the National Science Foundation