Omid Dehkordi
https://github.com/omiddehkordi
Email : omid.dehkordi99@gmail.com
Mobile : +1-949-672-8292

Education

- **University of California, Los Angeles** — Los Angeles, California, United States
  Bachelors in Political Science 3.54 GPA — *Graduated December 2021*
  - **Computer Science & Math Coursework**: Introduction to Computer Science I & II, Introduction to Computer System Organization, Software Construction Projects, Introduction to Algorithms and Complexity, Operating Systems Principles, Fundamentals of Artificial Intelligence, Calculus, Linear Algebra, Differential Equations, Discrete Mathematics
- **Caltech AI and Machine Learning Bootcamp** — Remote
  ML Bootcamp — *December 2022 - June 2023*
  - **Coursework**: Introduction to Artificial Intelligence, Python for Data Science, Applied Data Science with Python, Machine Learning, Deep Learning with Keras and Tensorflow, Advanced Deep Learning and Computer Vision
  - **Electives**: Statistics Essentials for Data Science, NLP and Speech Recognition, Reinforcement Learning

Work Experience

- **Acculogic Inc** — Lake Forest, CA
  Contractor — *June 2022 - Present*
  - **Machine Learning**: Responsible for researching ML applications on the Flying Probe Robotic Test System
  - **Flying Probe System**: Responsible for testing Printed Circuit Boards and Batteries for customers. Ensure orders are finished in a timely fashion and work with customers to provide test data that displayed faults requiring repair
  - **Python/C++**: Responsible for working on Python/C++ Projects to generate test programs and analyze PCB/Battery test data. Automatic generation of test programs for some projects has cut pre-test time in half
- **Acculogic Inc** — Lake Forest, CA
  Computer Science Intern — *May 2021 - August 2021*
  - **C++ Programming**: Responsible for creating C++ programs to evaluate PCB test data produced by tester

Projects

- **CancerClassification**: Utilizes 3 different classification models (Deep Neural Network, Random Forest Classifier and Multi class Support Vector Machine) to identify 5 different types of cancer based on data samples with expression values for 20k genes
- **CNNTrafficSignRecognition**: Utilizes a Convolutional Neural Network to distinguish between 43 different traffic signs. Images were transformed into grayscale to allow for a color model and grayscale model. Both models had a training and test accuracy of over 90%
- **IncomeQualificationClassifier**: Identifies the level of income qualification needed for families in Latin America and predicts accuracy using Random Forest Classifier. There were challenges in replacing Nan values in certain columns for certain family members. This was solved through replacement by measures of central tendency and/or information from the family head

Skills

- **Programming Languages**: Python (Advanced), C++ (Proficient), C (Fluent), SQL (Intermediate)
- **Database/Server**: MySQL
- **Version Control**: Git / Github
- **Other**: HTML, CSS, Pandas, NumPy, Matplotlib, SciPy, scikit-learn, Seaborn, Tensorflow, Keras, Pytorch
- **Languages**: English (Native), German (Native), Farsi (Speaking), Spanish (Basic)
- **Soft Skills**: Adaptability, Persistence, Teamwork, Emotional Intelligence