|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | eiguzman@ucsd.edu | 619-565-8655 | | | | A person standing in a tunnel with his arms crossed  AI-generated content may be incorrect.eiguzman.github.io/portfolio |  |
|  | **Data Systems Design****AI Software Solutions Engineer** | | | | | |  |
|  | Edgar Guzman | | | | | |  |
|  | **Profile** Motivated soon-to-be graduate with a strong foundation in statistical analysis, machine learning, and data visualization. Proficient in programming languages such as Python and R, with hands-on experience in developing predictive models and data-driven solutions. Adept at cleaning, analyzing, and interpreting complex datasets to inform strategic decision-making. Passionate about leveraging data to solve real-world problems and drive innovation. I am eager to contribute my technical skills and analytical mindset to a dynamic team. **Experience**Exploratory Data Analysis and InferenceExtensive experience in exploratory data analysis to uncover underlying patterns and insights within complex, semi-structured datasets. EDA is utilized for feature selection and improved model development. I have implemented statistical inference techniques to draw meaningful conclusions from multiple projects.Artificial Neural NetworksDeveloped multiple ANNs with packages such as PyTorch and TensorFlow. Experienced with the structure of creation of Sequential models, Variational autoencoders, Generative adversarial networks, Computer vision, and Random Forest models.Machine Learning with MusicBuilding a neural network using Variational autoencoders to generate a MIDI file of structurally sound piano compositions. I also have experience working with continuous output such as .wav formatted files | |  |  | **Skills** Core Concepts  Convolutional Neural Networks  Recommender Systems  PyTorch Deep Learning Models  Symbolic Music Generation  Quantum Computing Techniques  Software  Python, Java, R, C++, JavaScript  Professional  Team leader  Consistent under pressure  Efficient time management  Effective communicator  Reliable team collaborator  Adaptability **Education** UC San Diego  September 2023 – June 2025  Bachelor of Science in Data Science  Upper Division GPA: 3.66 **Hobbies** Computer Building  Computer Programming  Cooking  Hiking **Languages** English, Spanish | |  |