Kevin Galvan Cuesta

Data Scientist and Software Engineer

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EDUCATION

Case Western Reserve University **Spring 2022**
Bachelor of Arts with majors in Computer Science, Economics, & Philosophy
Minors: Artificial Intelligence & Political Science
GPA: 3.89 in major - *Maybell S. Donnell Award, Dean's Honors List 2018-2022*

TECHNICAL SKILLS

- Machine Learning
- Python
- Scikit-learn
- Tensorflow
- Big Data
- SQL
- Spark
- Hadoop & HDFS
- Java & Algorithms
- R & Stata
- Tableau
- Git

EXPERIENCE

CALIFORNIA HOUSING DEPARTMENT ***June 2022 - March 2023***
Data Science Consultant

- Developed novel regression-based algorithms to accurately calculate financial metrics using comprehensive parcel data, including information on base-zoned and bonus-zoned units, building permits, and assessor data.
- Achieved 81% accuracy on an SVM ensemble to predict the likelihood of obtaining building permits on land parcels using the generated financial metrics in Python (using Scikit-Learn).
- Presented these findings leading to 7 other cities to join the project, thus increasing our total data availability by 400%.
- Reduced 90% of parcel analysis and financial calculation overhead by automating parcel distribution decisions using PyXLL and Excel VBA, resulting in significant cost savings for the department.

CASE SCHOOL OF ENGINEERING ***Dec. 2021 - May 2022***
Research Lead

- Successfully secured funding to hire 3 new workers by building a demo .NET image processing application to find key body points using Blazepose, Caffe, and OpenCV in Python.
- Led the new team to remodel the original work into a web application using HTML and JavaScript.
- Improved the robustness of the algorithm by 35% for off-center and obscure image angles.
- Reduced professors' workloads by providing on-demand Statics Engineering practice to students in over 80 engineering schools (available in portfolio).

WEATHERHEAD SCHOOL OF ECONOMICS ***Aug. 2019 - May 2022***
Teaching Assistant

- Facilitated student success and improved grades by 17% compared to other cohorts through coaching students in data analysis via laboratory sections in R, Stata, and Python.
- Modernized graduate-level course material by creating new projects, including a machine learning project for Advanced Econometrics, which accounted for 25% of assignments and lectures.
- Enriched the Public Finance lecture series by conducting a semester-long supervised independent study on Economic Philosophy. My final essay contribution was selected to become a new lecture.