

Nicholas F. Zermeno

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Seeking an entry-level or intern position that challenges me to apply math and statistical skills to real-world applications

Education

California State University, Northridge

B.S, Applied Mathematics - Cumulative GPA: 3.4
Relevant Coursework

August 2020 - May 2023
Northridge, CA

- Rigorously establish fundamental analytic properties and results, such as limits, continuity, differentiability, and integrability
- Understand the theory and application behind multivariate regressions and optimization with a study focus on statistical mathematics
- Computational techniques in Python and R for supervised learning and unsupervised learning such as K-means clustering, Neural Networks, SVM, and logistic regressions.

Projects

House Prices in Iowa

January 2022 - May 2022

- Using advanced regression techniques such as random forests in R to accurately predict the sale price of a house using over 70 explanatory variables. Includes data cleanup, justification for methods used, and a curated visual representation and presentation to audience

Computer Vision and Dog Breed Classification

August 2022 - December 2022

- Using TensorFlow and Keras on a locally hosted GPU to accurately predict the correct breed of a dog from an image. Includes scraping the web for images of different dog breeds, applying filters to said images to create a more robust data set, and used a convolutional neural network within the deep learning framework. Collaborated with a team that met on regular intervals in order to optimize our model and present to an audience.

Work Experience

Assistant Manager

Vince's Pasta and Pizza (30 Hrs/Week)

September 2013 - April 2020
Lancaster, CA

- Led a team of five employees and played a pivotal role in optimizing daily operations to ensure seamless customer experiences.
- Performed daily cash management duties, including opening cash drawers, reconciling cash and credit transactions, and ensuring accuracy of funds for the start of business operations.

Associate

In-N-Out Burger (25 Hrs/Week)

January 2019 - May 2019
Sherman Oaks, CA

- Fast-paced, diligent work environment with communication driven team that handled a dynamic workload
- Followed strict procedure to ensure quality and safety while keeping team updated on progress and status

Skills

- Proficiency in Microsoft Office Suite
- Experience in R, TensorFlow, LaTeX, Python, SQL
- Effective communication and leadership
- Time management and organization
- Statistical modeling and optimization
- Data analysis and diagnostics