James Dao

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SUMMARY

An ambitious, solutions-orientated problem solver in pursuit of a full time career within data. I am currently in graduate school pursuing a master in data science and will always be learning for years to come as I am excited to apply my education and knowledge into an environment that has plenty of opportunities for growth and development.

EDUCATION

UNIVERSITY OF ARIZONA | Tucson, AZ

Bachelor of Science in Statistics and Data Science, May 2021

With Minor in Economics and Finances

- Relevant course work: Statistical Computations, Linear Algebra, Applied linear Models, Theory of Probability, Theory of Statistics, Data Capstone (Machine Learning Course with Capstone)

UNIVERSITY OF THE PACIFIC | San Francisco, CA

Master of Science in Data Science, **In Progress**

- Relevant course work thus far: Analytics for Computing Data Science, Linear Algebra for Data Science, Frequency Statistics, Intro to Machine Learning, Relational Databases, Hot Topics

SKILLS

- **Programming Languages:** R, Python, Java, SQL
- **Data Science & Miscellaneous:** Statistics, Probability, Hypothesis Testing, Data Science Pipeline (wrangling, modeling, visualization, interpretation), OOD, OOP
- **Visualization:** Tableau, R (ggplot2), Python (seaborn, matplotlib)

PROJECT EXPERIENCE

STROKE PREDICTABILITY

- Applied a series of machine learning algorithms (SVM, Boosting, etc.) on an unbalanced dataset.
- Found that a random forest model was best for predicting strokes in patients with a test error of 0.14%.

LINEAR REGRESSION ANALYSIS FOR ELETRIC VEHICLES

- Reported on what features were highly correlated with a car's ability to charge fast and ways to predict fast chargeability.
- Created models based off of best subset selection with the inclusion of interactive terms.
- Multiple linear regression model used obtained an accuracy on test data of 82.44%.

CLASSIFICATION OF HANDWRITTEN DIGITS

- Used singular value decomposition in order to classify a set handwritten digits given in the form of a 16x16 grayscale converted into multiple column vectors with length of 256.
- Obtained an accuracy on test data of 93.97%.

PROFESSIONAL EXPERIENCE

LEE'S SANDWICHES | Peoria, AZ

Cashier, May 2017 – July 2017

- Reviewed and resolved differences between accounting information and cash drawer.
- Helped customers complete purchases, locate items and mediated the language barrier/cultural products between staff and customers. Strengthened my Vietnamese skills as a result.

LEADERSHIP EXPERIENCE

VIETNAMESE STUDENT ASSOCIATION | Tucson, AZ

Executive Board Intern and Event Coordinator, October 2018 – May 2020

- Responsible for overseeing/creating all events by coordinating members/volunteers, scheduling and planning of events.
- Created a large line of revenue through catering in Tucson Meet Yourself, a multiday folklife festival, where I taught regular students how to properly manage a pop up restaurant booth from which thousands of products were sold. All of which were entirely self-funded and created by the team.