Austin Kim

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Technical Skills

Programming Languages: Python, SQL, R, HTML, Java
Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit, SciPy, NLTK, Tensorflow, Keras, Selenium, BeautifulSoap
Big Data & Machine Learning: Spark, Hadoop, Linear/Logistic Regression, KNN, SVM, Random Forest, Gradient Boosting, Natural Language Processing, Deep Learning

Education

University of Notre Dame — Notre Dame, IN
Master of Science in Applied Math and Statistics: Data Science Specialization — *August 2021 – May 2023*

University of California, Irvine — Irvine, CA
Bachelor of Science in Mathematics — *September 2012 – March 2017*

Experience

Data Science Intern — Santa Monica, CA
The Integrated Clinic — *January 2021 – Present*

- Creating models to predict behaviors and/or symptoms
- Creating data visualizations for doctors to use
- Communicating with team members through Zoom and Slack

Computer Science and Mathematics Teacher — Orange, CA
Unity Middle College High School — *January 2018 – Present*

- Increased student standardized test scores by 3% each year.
- Bridged low achieving student performance by 10% using data driven instruction.
- Held department chair and taught Computer Science, Algebra 1, Algebra 2, and Geometry.

Projects

Predicting Heart Disease | *UCI Heart Disease Dataset*

- Achieved a 91.8 percent ROC AUC score on a Random Forest Classifier with GridSearch in predicting heart disease.
- Examined factors like age, sex, and resting blood pressure of patients to predict whether or not a patient has heart disease.
- Created data visualizations in order to display and determine variable correlations to heart disease.

Graduate School Admission Confidence | *UCLA Graduate Dataset*

- Achieved a 3.9 percent mean absolute error score on a Random Forest Regressor with Gridsearch in predicting a student's confidence for admission.
- Examined various factors like GRE score, GPA, and letter of recommendation scores to predict students' admission confidence.
- Created data visualizations in order to display and determine variable correlations to students' graduate school admission confidence.

Predicting Credit Card Approvals | *DataCamp Dataset*

- Achieved a 85 percent logreg score on a logistic regression with GridSearch in predicting credit card approvals.
- Examined various factors like credit score, income, and debt of credit card applicants on the DataCamp data set to predict credit approval chances.
- Created data visualizations in order to display and determine variable correlations to credit card approvals.