Austin Kim

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Technical Skills

Languages: Python, SQL, R, HTML, Java
Big Data & Machine Learning: Spark, Hadoop
Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit, SciPy, Selenium, BeautifulSoap

Education

University of Notre Dame — Notre Dame, IN
Master of Science in Applied Mathematics, Data Science Specialization — *August 2021 - May 2023*

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

Experience

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

- Held department chair of Computer Science and Mathematics.
- Taught Computer Science, Algebra 1, Algebra 2, and Geometry.
- Engaged in weekly professional developments.

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.

Certifications

Data Scientist with Python
DataCamp
SQL for Data Science
Coursera (University of California, Davis)
Python 3 Programming Specialization
Coursera (University of Michigan)
Algorithmic Toolbox and Data Structures
Coursera (University of California, San Diego)