

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, BeautifulSoup

EDUCATION

University of Notre Dame

Master of Science in Applied Math and Statistics: Data Science Specialization

Notre Dame, IN

August 2021 - May 2023

University of California, Irvine

Bachelor of Science in Mathematics

Irvine, CA

September 2012 - March 2017

EXPERIENCE

Computer Science and Mathematics Teacher

Unity Middle College High School

Orange, CA

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)