Austin Kim

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Technical Skills

Programming Languages: Python, SQL, R, HTML, Java
Libraries: Pandas, NumPy, Matplotlib, Plotly, Seaborn, Scikit, SciPy, NLTK, Tensorflow, Keras, Selenium, BeautifulSoap, Dash
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 Mathematics 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 and Analytics Intern — Vernon Hills, IL
CDW — *June 2021 – August 2021*

Data Engineer Intern — Santa Monica, CA
The Integrated Clinic — *January 2021 – March 2021*

- Pipelined HIPAA compliant data from Google Drive to AWS and Squarespace.
- Launched a data dashboard for doctors to examine their own patient data.

Computer Science and Mathematics Teacher — Orange, CA
Unity Middle College High School — *January 2018 – June 2021*

- Increased standardized test scores by an average of 3% annually analyzing student data and altering instruction.
- Bridged low achieving student performance by 10% using data driven instruction.

Projects

Predicting Heart Disease

- 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.

Graduate School Admission Confidence

- 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.

Predicting Credit Card Approvals

- 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.

Certifications

Data Scientist with Python
DataCamp

Machine Learning
IBM