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 data from Google Drive to AWS and Squarespace while remaining HIPAA compliant.
- 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.