

# Austin Kim

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## TECHNICAL SKILLS

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**Languages:** Python, SQL, R, HTML, Java

**Big Data & Machine Learning:** Spark, Hadoop

**Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit, SciPy, Selenium, BeautifulSoup

## EDUCATION

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**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

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**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

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**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

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**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)*