KUNAL RAI

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EDUCATION

Rice University   2017 - 2021
Major: B.S. in Electrical Engineering
Specialization: Data Science **Minor:** Business
Relevant Coursework: Computational Thinking, Signals & Systems, Financial Accounting, Marketing, & Economics

EXPERIENCE

Chevron Corporation   May 2019 - August 2019
Data Science Intern

· Modeled decline curve analysis of non-declining oil wells in Python with 25% mean error on future production
· Created models in DataRobot to mimic SME outlier optimization of well data for decline curve analysis
· Utilized Spark and SQL on a linux cluster with Python to pre-process Midland region oil well data for modeling

Rice University - Jones Graduate School of Business   Jan 2019 - Present
Research Assistant for Professor Sachdeva

· Conducted location analysis on 100+ GB of Geo-data for profile tracking through major cities in the U.S.
· Filtered and merged location data using Pandas for analysis and visualization of target users

Rice University   August 2018 - May 2019
Teaching Assistant

· ELEC 220: Guided 20 students through labs related to data representation, computer organization, and basic assembly over one semester
· ENG 120: Mentored 4 engineering design students on technical writing and presentation skills, improving average grades from B- to A- over the course of the semester

Graphic Design   August 2018 - Present
Independent Graphic Designer

· 5 contracted designs with 80% usage rate by contractors, increased campus presence of each organization
· Generated $8k through merchandise for different campus organizations, $3k as Design Lead for Rice IEEE
· Led design team of 3 members through stages of research, design, implementation, and production of merchandise

Lockheed Martin Aeronautics   May 2018 - August 2018
Software Engineering Intern F-35 Program   *Active Government Clearance*

· Created a standalone tool that calculated and predicted monetary value of F-35 software changes worth $500M+
· Tested the F-35 system software updates integrity and redundancy through flight simulation
· Analyzed and performed pre-processing on financial data, found trends and automated predictions via Visual Basic

SKILLS

Programming Languages	Python, Visual Basic for Applications, SQL (some)
Software & Certifications	DataRobot, Azure, Spark, Hue, Git, Jupyter, Photoshop, & Project Management

EXTRA-CURRICULAR

IEEE - *Vice Chair*, Created ECE department centralization initiative   March 2019 - Present
Rice Undergraduate Investment Fund - *Portfolio Review Analyst*, TMT Sector   August 2018 - Present
Rice FinTech - *Secretary*, Developed club connections and organized club events   August 2017 - 2018