KUNAL MODY

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EDUCATION

The University of Texas at Austin — Bachelor of Science in Computer Science — May 2024
Certificate in Applied Statistical Modeling
GPA: 3.69

Relevant Courses: ***Geometric Foundations of Data Science****,* ***Principles of Machine Learning, Elements of Data Science****,* ***Predictive Analytics,*** *Linear Algebra, Data Structures, Operating Systems, Computer Organization and Architecture, Multivariable Calculus*

SKILLS

Languages*: Java, HTML, Python, Javascript, C, C++, R, CSS, Swift*
Frameworks: NodeJS, MongoDB, Flask, PyTorch, TensorFlow, NumPy, Pandas, AWS (Textract), Jupyter Notebook, R Markdown, AJAX

EXPERIENCE

LendCRM – *Houston, TX* — Summer 2022
Machine Learning Engineer Intern
- Scraped tabular data from PDF documents using AWS Textract for autonomous loan information lookup in a SCRUM environment
- Analyzed over a dozen documents already, making for a more streamlined interface for both borrowers and lenders.
- Developed a web application which allows users to upload transactions, classify, and store them in a database
- Uploaded and classified hundreds of transactions, allowing machine learning models to recognize and predict future expenditures.

Singapore Math – *Austin, TX* — Aug. 2021 – Present
Tutor/ Web Developer
- Create structured lesson plans detailing skill-based topics in math and computer science for elementary and high school kids.
- Maintain and make appropriate changes to the website regularly so parents enjoy a simple manner of enrolling their children based on age, skill, and preference.

EXTRACURRICULAR ACTIVITIES

CS Roadshow — Aug. 2021 – Present
Curriculum Officer
- Designed age-appropriate content and presentations for tabling and outreach events at elementary/ high schools.
- Briefed members and leadership team during the semester to ensure that they could communicate the content effectively.

UT Fencing Club (UTFC) — Aug. 2021 – Present
- Organized events/tournaments by reaching out and inviting other university clubs while preparing venues for competition at UT.
- Reduced the dues required per semester to universalize the club while maintaining the volume and quality of the equipment.

Indian Students Association — Nov. 2020 – Present
- Built a social space allowing students with similar cultural experiences to continue the traditions and customs practiced at home.
- Proposed events across the UT campus to popularize southeastern principles and practices within the university's populace.

Robot Learning from Demonstration and Interaction (Research Initiative) — Jan. 2021 – Dec. 2021
- Implemented computer vision skills such as color blob detection and path planning through interaction with the Gates-Dell Complex robot fleet in a research environment.
- Headed a team to further a model which generates human motion (style transfer) to a virtual reality environment with weekly progress updates and scheduled presentations.

2-Player Chess Project — Summer 2021
- Developed a fully functional backend for 2-player chess while honing my object-oriented programming principles in Java.
- Furthered the project by creating a sophisticated graphical user interface utilizing Java's Swing framework and ultimately connected it to my unique backend.

Hobbies: Swimming, playing piano/guitar, watching sports, avid WIRED magazine reader, world traveller