ARMAN ALI KHONDKER
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EDUCATION

The University of Texas at Austin	Bachelor of Science, Electrical and Computer Engineering	May 2020
	Business Foundations Certificate Program	
	Overall GPA: 3.64/4.00	
Related Coursework	Mining Massive Datasets (Stanford online - In progress), Software Design and Implementation, Circuit Theory, Differential Equations with Linear Algebra, Engineering Physics 1 and 2, Intro to Embedded Systems, Intro to Electrical Engineering, Intro to Computing, Multivariable Calculus and Series, Differential and Integral Calculus	

PROJECTS

8-Ball Pool Video Game (Introduction to Embedded Systems - EE 319K)
• Utilized embedded systems to create and design a hand-held video game that simulates 8-Ball Pool
• Built the video game utilizing a TM4123 Microcontroller, DAC, ADC, LEDs, slide pots, buttons and joysticks
• Implemented interrupts, color graphics, ISRs, FIFOs in C/Assembly language and utilized I/O interfacing

Robot Car (Introduction to Electrical Engineering - EE 302)
• Built and designed a robot car from scratch utilizing circuit elements, multiple NI myDaqs and LabVIEW programming
• Coded the robot in LabVIEW to sense various physical obstacles in any direction by utilizing phototransistors

EXPERIENCE

Mathnasium Instructor – Teacher; Houston, Texas   July 2015 – July 2016, June 2017 – August 2017
• Taught, assessed and remediated students in 2nd-12th grade by utilizing the Mathnasium Method
• Identified the needs of learners and if necessary adapted course content and delivery style to meet student needs
• Pitched Mathnasium Program plans to potential customers and explained the Mathnasium Method to parents

Schlumberger Software Externship – Houston, Texas   January 2017
• Learned about the practical and technical skills utilized in a modern software engineering workspace
• Gained knowledge on the industry applications of my current studies at UT
• Experienced the work life of an average Schlumberger employee and gained insight on modern technology

Study Buddy Math Tutor - Online Volunteer   May 2015 - Present
• Online tutor for Geometry, Algebra II, Trigonometry, Precalculus and Calculus
• Volunteered over 70+ hours in tutoring services

LEADERSHIP EXPERIENCE AND ACTIVITIES

University of Texas 512 Hyperloop Engineering Team - Power Team, Designer	September 2016 - Present
University of Texas Machine Learning and Data Science Club - Active Member	September 2016 - Present
University of Texas Institute of Electrical Engineers (IEEE) - Active Member	August 2016 - Present
University of Texas Institute of Electrical Engineers Computer Society (IEEE CS) - Active Member	August 2016 - Present
University of Texas Leadership and Education Program - Active Member	August 2016 - Present

HONORS

• University Honors Fall 2016 and Spring 2017
• National AP Scholar with Honor

ADDITIONAL INFORMATION

Coding Languages: C, C++, Java, ARM Assembly, Arduino, Python, LC3, Unix
Tools: Anaconda, Git, Linux
Interests: Data Science, Data Analytics, Statistics, Fantasy Sports, Ultimate Frisbee, Soccer, Basketball