SAMUEL DIXON

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LinkedIn Website GitHub

EDUCATION

Texas A&M University   *August 2019 - Present*
Junior Undergraduate   Overall GPA: 3.843
Department of Electrical Engineering
Minor in Computer Science, Mathematics

EXPERIENCE

Undergraduate Peer Tutor   Aug 2021 - Present

· Developed strategies to improve students performance in undergraduate, engineering courses
· Guided Freshman through fundamental concepts in introductory Python and Calculus courses

Undergraduate Peer Mentor   Aug 2020 - Nov 2020

· Participated in an academic success program whose initiative was to enable freshmen undergraduate students to cultivate meaningful relationships and fruitful habits

Trader Joe's Crew Member   Apr 2019 - Aug 2019

· Fostered a unique grocery shopping experience by being actively attentive to store shoppers. Tasks included looking up seasonal items in the stores database to help provide information on availability, meticulously organizing and restocking shelves, and steadfastly gather carts scattered in the throughout the parking lot

PROJECTS

Integer Arithmetic Improvement Program   Andorid Studio, Java, C++, Makefiles
Software

· Program designed for users to improve mental arithmetic in addition, subtraction, and multiplication operations over a specified range. This program gave practice in using C++, makefiles, git, Android Studio, and Java to realize a simple idea into a GUI application. Program was initially made in C++, and later made into an Android App.

555 timer Astable Function   Solder, Oscilloscope
Hardware

· Configured 555-timer in astable mode to oscillated a LED relay at a frequency dependent on two unique time constants. Through this project, I gained insight behind the inner-workings of the 555 timer IC chip, organization, and accuracy of making joins with solder.

RELEVANT COURSES

Core Courses	**Other Courses**
ENGR LAB I COMPUTATION	SOCIAL PROBLEMS
INTRO PGM DESIGN CONCEPT	HNR-DIFFERENTIAL EQUATIONS
INTRO TO DGTL SYM DSGN	TOP IN APPLIED MATH I
HNR-CIRCUIT THEORY	
DATA STRUC ALGORITHMS	
DISCRETE STRUC COMPUTING	