Simrun Buttar

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EDUCATION

University of Michigan, College of Engineering | Ann Arbor, MI
Aug. 2017 - Apr. 2021
B.S.E Computer Science Engineering *GPA 3.42*

EXPERIENCE

Prolog Enterprises | **Mountain View, CA** | June 2018 - Present
Software Intern
- Code hardware to conduct testing on multiple types of computer chips
- Create Arduino mock-up of project for quick prototyping and testing

Miniature Tether Electrodynamics Exp. | **Ann Arbor, MI** | Jan. 2018 - Present
Command and Data Handling Team
- Control spacecraft, transition between phases to collect and manage data during launch experiment in Summer 2018
- Write unit and system tests for TI-MSP430 Microprocessors onboard satellite using Embedded C Programming

Intelligent Ground Vehicle Team | **Ann Arbor, MI** | Aug. 2017 - May 2018
Sensors Team
- Program, design and wire sensors on IGV robot for competition and potential industry use

LEADERSHIP

Society of Women Engineers | **Ann Arbor, MI** | Sept. 2017 - Present
Outreach Officer - Alternate Spring Break
- Leading large-scale service trip of 80 people to Detroit (Fall 2018), and to Chicago (Spring 2019) to mentor underprivileged teens pursuing

Global Engagement Officer
- Planned and led 3 week long service trip of 10 people to southern India
- Held camp to promote women involvement in STEM in disadvantaged areas in Mumbai and surrounding areas

ACTIVITIES

Kappa Theta Pi | **Ann Arbor, MI** | Jan. 2018 - Present
Member
- Professional Technology Fraternity; engaging professional network and preparing for industry while furthering personal tech. skills

IEEE | **Ann Arbor, MI** | Aug. 2018 - Present
Member
- Institute of Electrical and Electronics Engineers; learning more about the intersecting fields of tech. and accelerate their careers

COURSEWORK

(As of Fall 2018)
Intro. to Data Structures
Data Structures & Algorithms
Discrete Mathematics
Linear Algebra

LANGUAGES

C/C++
Python
Java
MATLAB
Verilog
HTML5/CSS

PROJECTS

Euchre Card Program [C++]
Coded card game, euchre, and implemented usage of either an interactive player or AI player using concepts of inheritance & polymorphism

Study Helper [Arduino]
Built product for special needs students to learn new information by building a random question processing generator with LEDs, LCDs, limit switches and Arduino

Markdown to HTML [Python]
Developed program to convert text written in Markdown format to HTML files