Mihir Hingwe

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EDUCATION

Texas A&M University, *College Station, TX*   May 2022
Engineering Honors BS in Computer Engineering, Minor in Mathematics
GPA: 3.946/4.0
Related Coursework: Digital System Design, Data Structures and Algorithms, Electrical Circuit Theory**,** Computer Architecture, Computer Systems, Signals and Systems

ACADEMIC PROJECTS

Maker Colonias Robot - TIELAB   `   June 2020 – Present
- Developed a program which overlays the user's hands over a background image in real time using OpenCV.
- Improved framerate of the gestural system video output by adjusting the image delay in open CV.

SwimSupport: Activity support system for swimmers - Sketch Recognition Lab   January 2020 – May 2020
- Processed sensor data for developing wearable haptic technology device to prevent exhaustion while swimming.
- Programmed python scripts to read in sensor data from a BNO055 absolute orientation sensor.

SpaceCRAFT System Architecture Development   August 2019 – December 2019
- Collaborated with other students to develop a server monitor GUI using Qt creator.
- Enhanced practical programming skills through various projects fixing existing code.
- Improved server performance by devising a JSON parser.

WORK EXPERIENCE

Katy ATA Black Belt Academy - Trainee Sparring Instructor; Katy, TX   May 2016 – October 2017
- Trained approximately 25 junior students in the technical aspect of Taekwondo sparring.
- Prepared students to compete in Taekwondo sparring tournaments.
- Managed and judged junior competitions at over 20 local and state tournaments.

ACTIVITIES

TAMU IEEE – *Social Events Officer*   June 2020 – Present
- Planed and organized over 10 social and volunteering events for officers and general members.
- Coordinated with other officers to ensure activities run smoothly and safely.
- Adapted social events to follow university club guidelines during the COVID-19 pandemic.

HONORS/AWARDS

Engineering Honors   August 2019 – Present
- Honors society for engineering students maintaining a GPA above 3.5.

Dean's Honor Award   Spring 2019, 2020
- Recipient of Dean's Honor Award for maintaining a GPA above 3.7.

TECHNICAL SKILLS

Programming Languages: C++, Python, Arduino
Application Skills: Verilog, ARMv8 Assembly