



XIAN HADIA, EIT

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EDUCATION

Bachelor of Science | *Electrical Engineering 4.0 / 4.0 GPA*
Mississippi College

August 2017 – May 2021
Clinton, MS

Masters of Science | *Computer Science 4.0 / 4.0 GPA*
Georgia Institute of Technology

January 2022 – Present
Atlanta, GA

CERTIFICATIONS

Engineer in Training, EI-32286, Mississippi, August 2021

WORK EXPERIENCE

Teaching Assistant

August 2022 – Present
Atlanta, GA

Georgia Institute of Technology

- Teach graduate students about Computational Photography (CS6475) or how computation can be used in the entire photography pipeline.
- Review cameras as a sensor as well as image processing and computer vision techniques - e.g. panoramas, object removal, and content-aware image resizing

Research Electrical Engineer

May 2021 – Present
Vicksburg, MS

Engineering Research and Development Center

- Work with variety of sensors - e.g. visual, depth, hyper-spectral, lidar, radar
- Design and create artificial intelligence programs - e.g. object detection and classification, semantic segmentation, depth estimation
- Design and build robots. Grant robots autonomy by using artificial intelligence programs to encode sensory motor and perception skills

Engineering Intern

June 2017 – August 2020
Vicksburg, MS

Engineering Research and Development Center

- Worked on autonomous robots
- Worked on artificial intelligence - specifically computer vision - programs

IT Customer Support

August 2019 – May 2020
Clinton, MS

Mississippi College

- Provided IT customer support to faculty and staff of college
- Helped network engineer augment weak areas of network

Physics Tutor

August 2020 – May 2021
Clinton, MS

Mississippi College

- Tutored undergraduate students on General Physics 1 and 2

PUBLICATIONS

"Object detection on aerial imagery to improve situational awareness for ground vehicles."

Hadia X, Price SR, Price SR, Price SJ, Fairley JR

May 2020

HONORS, AWARDS, & TEST SCORES

President's List

Recognition for 4.0 average throughout the semester

Fall & Spring 2017-2021

Perry Award

Award based of scholastic achievement and faculty nominations

May 2021

Senior Electrical Engineering Award

Faculty nominated award to one senior in graduating electrical engineering class

May 2021

FE Exam Passed

Passed Computer and Electrical Engineering FE exam

May 2021

COMMUNITY INVOLVEMENT

Altar Server

Altar served for St. Michael's Catholic Church

2016 – 2019

Vicksburg, MS

Soup Kitchen

Prepared free food.

2017 – 2020

Vicksburg, MS

SKILLS

Programming: Python, C, C++, C#, MATLAB

Software ROS (Robotic Operating System), Unreal Engine 4 5, PSpice, LTspice, Blender, Google Sketchup

Operating Systems: Windows 10, macOS, Ubuntu, Debian, Kali Linux

Interests: artificial intelligence, robotics, autonomous robots, autonomous systems, computer vision, machine learning, deep learning