

Minh-Thu Dinh

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EDUCATION

North Carolina State University | 3.71 GPA

Anticipated May 2023

Bachelor of Science in Electrical Engineering, Minor in Theatre

Raleigh, NC

- Goodnight Scholars Program: A full-ride merit scholarship for STEM and STEM Education students

TECHNICAL SKILLS & LANGUAGES

- Soldering and circuitry
- C, MATLAB, Arduino, COMSOL Multiphysics Solver, HTML, CSS
- A/V organization and logistical planning for large productions and conferences

RESEARCH & DEVELOPMENT EXPERIENCE

SolarPack @ NC State

Sep. 2019 – Mar. 2020

Electrical Team Member

Raleigh, NC

- Identified various methods to efficiently store batteries within electrical vehicle
- Tested different methods for creating effective lamination for solar cells on vehicle roof

Research in Engineering and Computer Science (Course)

Nov. 2018 – Apr. 2019

Independent Researcher at North Carolina School of Science and Mathematics

Durham, NC

- Executed solar panel tracking project utilizing astronomical equations and light sensitivity
- Programmed Arduino equations controlling motors in relation to solar rotation
- Built framework of solar panel tracker with servo motors and solar cell frame

Fitzgerald Center at Duke University (FCIEMAS)

Summer 2018

Research Intern with Dr. Steve Cummer

Durham, NC

- Investigated low-frequency electromagnetic waves and their identification of metals within another metal object
- Developed MATLAB programs controlling a mechanical component to analyze a metal's conductivity
- Modeled simulations on COMSOL Multiphysics Solver to compare with previous experiments

PROFESSIONAL EXPERIENCE

North Carolina Asian Americans Together (NCAAT) & Progressive Vietnamese American Organization (PIVOT)

Sep. 2020 – Present

Raleigh, NC

NCAAT in Action Youth Intern & PIVOT Fellow

- Network with Asian community groups locally and nationwide to host virtual voter engagement events
- Create voter education content with focus on Vietnamese and Asian American voters
- Design and distribute outreach activities and mailers in relation to voting

HONORS & ACTIVITIES

- HackNC 2020 – 1st Place in Non-Profit Challenge Oct. 2020
- Institute of Electric and Electronic Engineers (IEEE) Sep. 2020 - Present
- Mid-Atlantic Union of Vietnamese Student Associations (MAUVSA) A/V Staff Member Sep. 2020 - Present
- Goodnight Scholars First Year Retreat Leader Summer 2020
- Vietnamese Student Association at NC State General Body Representative Sep. 2019 – May 2020