

Minh-Thu Dinh

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EDUCATION

North Carolina State University | 3.712 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, Adobe Photoshop, Adobe Illustrator
- A/V organization and logistical planning for conferences (TEDxNCSSM, TEDxEastMecklenburgHighSchool)

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 – Nov. 2020

Raleigh, NC

NCAAT in Action Youth Intern, NCAAT 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

- NCSU DiamondHacks– 1st Place in Equity Category **Mar. 2021**
- Sunrise Movement Charlotte Hub Member **Feb. 2021 – Present**
- NC State University Theatre Content Creator **Feb. 2021 - Present**
- HackNC 2020 – 1st Place in Non-Profit Challenge **Oct. 2020**
- Goodnight Scholars Program First Year Retreat Leader **Summer 2020**
- Vietnamese Student Association at NC State General Body Representative **Sep. 2019 – May 2020**