

**Christopher J. Howard**

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**1980 Greenland Way Apt. 201  
Knoxville, TN 37932  
(737) 210-6688  
Chowar45@vols.utk.edu**

**EDUCATION**

B.S., Physics

May, 2021

University of North Texas, Denton, Texas

B.S., Mathematics

May, 2021

University of North Texas, Denton, Texas

**ACADEMIC  
EXPERIENCE**

Physics Grader

2019- 2020

University of North Texas, Denton, TX

REU Intern

2019

University of Utah, Salt Lake City, UT

Undergraduate Researcher

2020

University of North Texas, Denton, TX

**RESEARCH**

*Research Interests*

- Lithography; Nanostructures; Transistor Fabrication
- Topological Insulators
- Spintronics

**PUBLICATIONS**

2020

- Philipose U, Jiang Y, Farmer G, Howard C, Harcrow M, Littler C, Lopes V, Syllaios AJ, Sood A, Zeller JW. Using a Novel Approach to Estimate Packing Density and Related Electrical Resistance in Multiwall Carbon Nanotube Networks. *Nanomaterials*. 2020 Dec;10(12):2350.

**CONFERENCES**

*University of Utah Summer Symposium 2019 Poster Session*

- “Electric Field Effect on the Magnetic Resonance Line Width of Charge-Carriers in a Conjugated Polymer”

*PhysCon 2019 Poster Session*

- “Electric Field Effect on the Magnetic Resonance Line Width of Charge-Carriers in a Conjugated Polymer”

**PROFESSIONAL AFFILIATIONS**

Officer, Society of Physics Students UNT Chapter

- Ran Demo Shows and Community Outreach Programs Texas, 2019- 2020

Professional Development Coordinator, Graduate Physics Society UTK

- Reach out to Career Fairs for Physics Internships
- Notify Grad Students about relevant workshops Tennessee , 2023- 2024

**SERVICE**

*University*

- Volunteer Tutor, UNT Learning Center Texas, 2019

**ASSOCIATED SKILLS**

Experience with Python  
Experienced with Mathematica  
Experience with MatLab  
Experience with Linux  
Experience with R/R-Studios

**REFERENCES**

Available on Request