

PRANAV OOMMEN MATHEWS

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EDUCATION

Georgia Institute of Technology Ph.D. in Electrical Engineering	Expected 2026
The University of Texas at Dallas B.S. in Electrical Engineering Double Minor in Computer Science and Physics Summa Cum Laude GPA: 3.983	May 2021

SKILLS

Computer Languages	C++, Java, MatLab, Arduino, Python
CAD	PSpice, Cadence, Synopsys
Tools	Microsoft Office, L ^A T _E X

RESEARCH

NeuroSpinCompute Laboratory <i>The University of Texas at Dallas</i>	May 2018 - Present <i>Richardson, TX</i>
<ul style="list-style-type: none">· Designing neuromorphic computing systems using Spintronic hardware· Leading team of undergraduates to write paper, supported by PhD students	
Park Lab <i>UTSouthwestern Medical Center</i>	May 2020 - Present <i>Richardson, TX</i>
<ul style="list-style-type: none">· Simulating compressed sensing techniques that speed up MRI imaging· Writing pulse sequence code for compressed sensing imaging	

EXPERIENCE

Failure Analysis Internship <i>Finisar</i>	May 2019 - August 2019 <i>Allen, TX</i>
<ul style="list-style-type: none">· Created procedures for Electron, IR, and Optical Microscopes and Sputter Coaters· Operated Dual-Beam Focused Ion Beams for Failure Analysis	
IEEE Head Tutor <i>The University of Texas at Dallas</i>	September 2017 - May 2021 <i>Richardson, TX</i>
<ul style="list-style-type: none">· Tutor multiple EE classes, specifically head tutor for Electrical Network Analysis· Hold walk in tutoring hours and lead test reviews	
HKN Treasurer <i>The University of Texas at Dallas</i>	January 2020 - May 2021 <i>Richardson, TX</i>
<ul style="list-style-type: none">· Manage the money of Eta Kappa Nu at UTD	

AWARDS

Eagle Scout	Boy Scouts of America	May 2017
Academic Excellence Scholarship	The University of Texas at Dallas	May 2017
Undergraduate Research Scholars Award	The University of Texas at Dallas	Spring 2020
President's Fellowship	Georgia Institute of Technology	Spring 2021