

Spencer Robieson

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4 Onondaga Dr, Hawthorn Woods, IL 60047
Active Top Secret Clearance

Education	University of Illinois at Urbana-Champaign			August 2019 – Present
	Bachelor of Science in Electrical Engineering			Expected Graduation: May 2023
	GPA: 3.48/4.0			
	Adlai E. Stevenson High School - Lincolnshire, IL			August 2015 – May 2019
	GPA: 3.98/4.0			
Work Experience	University of Illinois at Urbana-Champaign			August 2022 – December 2022
	Undergraduate Grader (Electrical and Computer Engineering)			
	<ul style="list-style-type: none">Homework grader for ECE 464 - Power ElectronicsGraded and returned homework assignments in prompt fashionQuickly handled grading rubric questions and requests for regrading			
	Northrop Grumman - Space Systems - Boulder, CO			June 2022 – August 2022
	Hardware Technical Intern (Payload and Ground Systems)			
	<ul style="list-style-type: none">Returning intern on S2E2 hardware team outfitting SBIRS mobile ground terminalsAcquired more hands-on experience with the terminals to increase understanding of the hardwareAssisted with depopulation of two shelters to prepare for hardware upgradesAcquired a deeper understanding of the antenna hardware integration to better support projectMember of team that assembled engineering estimate for spare/replacement antenna partsUpdated existing engineering drawings/documents to ensure updated documents upon delivery to customer			
	Northrop Grumman - Space Systems - Boulder, CO			May 2021 – July 2021
	Hardware Technical Intern (Payload and Ground Systems)			
	<ul style="list-style-type: none">Intern on S2E2 hardware team outfitting SBIRS mobile ground terminalsGained an appropriate understanding of fiber-optic cable and its application in the systemReviewed and updated engineering drawings for major fiber-optic upgrade in terminalsParticipated in inventory of RF and mechanical parts purchased by subcontractorAssisted in installing servers, electronics equipment, and appropriate wiring inside two terminalsCreated diagrams mapping signal path of terminals to allow for easier signal path tracingConstructed CAT 6 cables for installation in terminals			
	Mariano's - Buffalo Grove, IL			June 2018 – November 2018
	Grocery Associate			
	<ul style="list-style-type: none">Ensured that store shelves and dairy cooler were stocked and organizedAssisted customers with locating items throughout the storeProvided a positive customer experience through prompt and polite service			
Relevant Classwork	Power Electronics	Electric Machinery	Power Systems Analysis	
	Power Circuits and Electromechanics	Digital Signal Processing	Analog Signal Processing	
	Digital Systems Lab	Data Structures	Electronic Circuits	
	IC Device Theory & Fabrication	Applied Parallel Programming	Green Electric Energy	
Skills	Hardware: Oscilloscope, function generator, multimeter, power supply Programming Languages: Python, C, C++, Lua Libraries: NumPy, SciPy, SymPy, Matplotlib Operating Systems: Windows 10, Linux (Debian, Ubuntu) Software: LTspice, Git, Microsoft Office, Visio, L ^A T _E X			
Activities	Illinois Track and Field Club Treasurer, University of Illinois			May 2021 – May 2022
	Illinois Track and Field Club Member, University of Illinois			August 2019 – Present
Interests	Electric machines, circuits, power systems, power electronics, coding, computer hardware			