

Spencer Robieson

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Westminster, CO

Active Top Secret Clearance

Education	University of Illinois at Urbana-Champaign <i>Bachelor of Science in Electrical Engineering with Honors</i> <i>Minor in Computer Science</i> GPA: 3.55/4.0	August 2019 – May 2023
Experience	Northrop Grumman <i>Associate Pathways Electrical Engineer</i>	August 2023 – Present
	University of Illinois at Urbana-Champaign <i>Undergraduate Teaching Assistant</i> <ul style="list-style-type: none">Teaching assistant for ECE 330 - Power Circuits and ElectromechanicsCoordinated grading and course logistics with a team of course staffHeld office hours to assist students with homework and course conceptsGraded homework assignments promptly	August 2022 – May 2023 January 2022 – May 2023
	<i>Undergraduate Grader</i> <ul style="list-style-type: none">Homework grader for ECE 464 - Power ElectronicsGraded homework assignments promptlyQuickly handled grading rubric questions and requests for regrading	August 2022 – December 2022
	Northrop Grumman - Space Systems - Boulder, CO <i>Hardware Technical Intern (Payload and Ground Systems)</i> <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 upgradesMember of team that assembled engineering estimate for spare/replacement antenna partsUpdated existing engineering drawings/documents to ensure updated documents upon delivery to customer	June 2022 – August 2022
	Northrop Grumman - Space Systems - Boulder, CO <i>Hardware Technical Intern (Payload and Ground Systems)</i> <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 tracing	May 2021 – July 2021
Skills	Hardware: Oscilloscope, function generator, multimeter, power supply Programming Languages: Python, C, C++, Lua Libraries: NumPy, SciPy, SymPy, Matplotlib, CVXPY Operating Systems: Windows 10, Linux (Debian, Ubuntu) Software: LTspice, Git, Docker, Microsoft Office, Visio, L ^A T _E X	
Relevant Coursework	Power Systems Analysis Electric Machinery Power Circuits and Electromechanics Power Electronics Data Structures Analog Signal Processing Digital Signal Processing Digital Systems Lab Electronic Circuits	