

Spencer Robieson

spencerrobieson@gmail.com — 847-732-4507
4 Onondaga Dr, Hawthorn Woods, IL 60047
Active Top Secret Clearance

Education	University of Illinois at Urbana-Champaign <i>Bachelor of Science in Electrical Engineering</i> GPA: 3.48/4.0	August 2019 – Present Expected Graduation: May 2023
	Adlai E. Stevenson High School - Lincolnshire, IL GPA: 3.98/4.0	August 2015 – May 2019
Experience	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 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	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 tracingConstructed CAT 6 cables for installation in terminals	May 2021 – July 2021
	Mariano's - Buffalo Grove, IL <i>Grocery Associate</i> <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	June 2018 – November 2018
	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	
Relevant Classwork	Power Systems Analysis Power Electronics Digital Signal Processing Data Structures	Electric Machinery Power Electronics Control Digital Systems Lab IC Device Theory & Fabrication Power Circuits and Electromechanics Analog Signal Processing Electronic Circuits