

Will Parker

Undergraduate Student

Chicago, IL

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Education

- **Northern Illinois University** DeKalb, IL
B.S. in Electrical and Computer Engineering 2020 - 2024
 - GPA: 3.571
 - Relevant Coursework: Signals and Systems, Electronic Circuits, Embedded Systems, Electromagnetics, Control Systems, Biomedical Instrumentation, Communication Networks, Solid-State Devices

Personal Statement

My engineering interests include biomedical electronics and signal processing, but I am open to all fields of electrical and computer engineering such as semiconductors and embedded systems. I have plentiful experience in leadership positions and teamwork, so I am confident I will make a positive contribution to your company. My best qualities include being able to account for my responsibilities and beyond, all while maintaining an excellent end product in a time-efficient manner.

Work Experience

- **Northern Illinois University: Department of Physics** DeKalb, IL
PHYS 273 Undergraduate Teaching Assistant Apr. 2022 - Present
 - Organize problem-solving lectures for second semester of calculus-based physics.
 - Provide additional tutoring and lessons for underrepresented groups.
 - Complete supplementary courses in methods of science education.
- **Office of Student Engagement and Experiential Learning (NIU)** DeKalb, IL
Undergraduate Research Ambassador July 2022 - Present
 - Selected from a competitive pool of undergraduate research candidates.
 - Lead cohorts of first-time undergraduate research students.
 - Coordinate workshops and presentations for professional development.

Research Experience

- **Northern Illinois University: Department of Physics** DeKalb, IL
Undergraduate Researcher *Jan. 2023 - Present*
 - Working under Dr. Laurence Lurio and Dr. Michael Eads to track attendance rates of students enrolled in PHYS 273 for the Spring 2023 semester.
 - The attendance rates will be compared to student learning outcomes, as measured by exam scores, final course grades, and performance on the same pre-course and post-course survey exam.
- **Northern Illinois University: Department of History** DeKalb, IL
Undergraduate Researcher *Aug. 2021 - May 2022*
 - Worked under the guidance of Dr. Beatrix Hoffman to create a historical timeline of the occurrence of depersonalization and derealization disorder
 - Cataloged the changes in the diagnostic criteria as defined by the *Diagnostic and Statistical Manual of Mental Disorders* throughout its revisions.
 - Presented findings at the Conference on Undergraduate Research and Engagement.

Awards, Grants & Honours

Northern Illinois University Presidential Scholar (\$30,000)	2020
Office of Student Engagement and Experiential Learning Award (\$1000)	2022
Undergraduate Research Assistant Award (\$500)	2021

Skills

- Programming and Markup Languages
 - * **Expert:** C, C++, Python
 - * **Intermediate:** Java, JavaScript, CSS, SQL
- Software
 - * **Expert:** Quartus Prime, LTspice, MATLAB, Arduino, MS Office Applications
 - * **Intermediate:** Maple, Mathematica
- Foreign Languages
 - * **Fluent:** Spanish
 - * **Conversational:** Portuguese, French