

BRADEN MOORE

207 E. Gregory Dr., Champaign, IL 61820 | 630-532-0784 | Email: bradenm3@illinois.edu

EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Nuclear, Plasma, and Radiological Engineering

Minors: Computer Science, Physics

May 2023

GPA: 4.00/4.00

Related Coursework:

Thermal Physics, Quantum Physics, Calculus III, Intro to Computer Science

RELEVANT EXPERIENCES

Center for Plasma-Material Interactions

August 2020–Present

Lab Assistant

University of Illinois at Urbana-Champaign

- Assembled and maintained high-vacuum systems to test interactions between lithium and plasma
- Conducted data acquisition using multimeters, calipers, balances, and Arduino sensors
- Designed and 3D printed parts necessary to mount sensors to a vacuum system using Autodesk Inventor

Division Street Capital, LLC

June 2020–August 2020

Independent Contractor

Chicago, IL

- Repaired and restored roofs of over 50 residential units to eliminate leaks and raise property values
- Developed new application process for Lucas 6000 thermoplastic roof coating, vastly reducing labor costs
- Managed acquisition of necessary tools and unique materials for each individual job

ACTIVITIES

IRobotics Freshmen Combots Team – Chassis Sub-Team Leader

August 2020–Present

- Managed a 5 member team in designing and constructing a robot chassis for a combat competition
- Communicated with 3 other team leads to coordinate a final robot design and plan construction

Honors Student Council

August 2020–Present

- Collaborated with the Academic Engagement Committee to plan, promote, and host 3 “Lunch and Learn” events to connect curious and engaged students to inspiring professors

American Nuclear Society - UIUC Chapter

August 2020–Present

- Created and maintained professional relationships with students and professionals

SKILLS

- **Languages:** Java, Python
- **Applications:** Autodesk Inventor, SolidWorks

LEADERSHIP AND HONORS

Chancellor’s Scholar

August 2020–Present

- Active participant in the Campus Honors Program at University of Illinois Urbana-Champaign

High School

- *National Honor Society President*
- *Illinois High School Association All-State Academic Team*
- *Football Team Captain*

April 2019–May 2020

March 2020

May 2019–November 2019