

# BRADEN MOORE

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## 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**