

# ALEXANDER KMAK

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## EDUCATION

**University of Illinois at Urbana-Champaign**  
*Bachelor of Science in Aerospace Engineering*

Expected May 2029  
GPA: 3.94/4.00

## TECHNICAL SKILLS

**CAD:** Onshape, Siemens NX, OpenRocket  
**Tools:** Power Tools, Soldering, Microsoft Office  
**Spoken Languages:** English

## SOFT SKILLS

Good Listener--- Flexible--- Open-Minded--- Learner  
Hard Worker--- Committed--- Time Efficient--- Dependable

## WORK EXPERIENCE

### **Kevin Kelly Decks**

Part-Time Laborer

Manhattan, IL  
May 2023 – August 2025

- Collaborated with a team to construct high-quality decks
- Developed problem-solving skills by addressing challenges during the construction process
- Learned how to use a multitude of power tools

## STUDENT ORGANIZATIONS

### **Illinois Space Society- Structures Sub Team for Spaceshot**

Member

Champaign, IL  
August 2025-Present

- Conduct weather modeling and simulation of multiple rocket launches
- Analyzed trajectory and stability of rockets in OpenRocket
- Built the fins of the rocket using composites of fiberglass and carbon fiber
- Optimized the manufacturing process of the rocket construction

### **Brother Rice Robotics Club**

CEO

Chicago, IL  
August 2023 - June 2025

- Built the frame for our underwater roV, Tiger Shark, by using VEX parts and aluminum
- Built a custom multi-rotational claw that would have no physical interferences with the body of the frame
- Used my CAD experience to 3D print parts for the claw
- Supervised the construction of Tiger Shark by implementing ideas and resolving issues
- Listened to others and valued their feedback
- Led a 7-person team in building Tiger Shark
- Presented the creation process of our roV at the MATE ROV world championships

## Activities

### **Illinois Leadership Center, Leadership Certificate**

Active Participant

Champaign, IL  
September 2025- Present

- Developed leadership skills in self, organizational and interpersonal settings through experiential learning under the guidance of a leadership coach
- Augment critical insight into intrapersonal and interpersonal skills through innovative leadership retreats/workshops