

Northern Illinois University  
 NIU Robotics  
 DeKalb IL, United States



**Jacob Klein**  
 Advisor/Mechanical Engineer  
 Senior  
 Mechanical Engineering

**Distance Required to Travel to Competition:**

1,970 miles from DeKalb to Long Beach

**Team History:**

Second Year in the MATE Competition

**ROV Cost:**

\$7,954

**Total Student Hours:**

2,640

**ROV Safety Features:**

- Operator Warning Labels
- Overcurrent Protection
- Easily Accessible Power Switch
- Communication Loss Failsafe

**ROV Special Features:**

- Multi-purpose Gripper
- Versatile Control System
- Compact and Lightweight



*Completed ROV*



**Joel Rushton**  
 Mechanical Engineer/Programmer  
 Senior  
 Mechanical Engineering



**Mary Reinertson**  
 Electrical Engineer  
 Freshman  
 Electrical Engineering



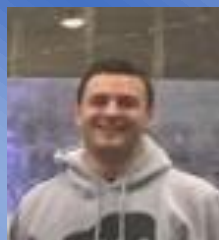
**Adam Kraft**  
 Mechanical Engineer/CEO  
 Sophomore  
 Mechanical Engineering



**Hannah Higgins**  
 Mechanical Engineer  
 Freshman  
 Mechanical Engineering



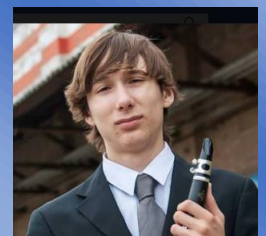
**Andrew Widmar**  
 Electrical Engineer/Pilot/CFO  
 Senior  
 Electrical Engineering



**Dennis Grekousis**  
 Fundraising and Marketing  
 Senior  
 Mechanical Engineering



**Charles Fortner**  
 Mechanical Engineer/Pilot  
 Senior  
 Mechanical Engineering



**Austin Parduhn**  
 Mechanical Engineer  
 Sophomore  
 Mechanical Engineering