

# JOHN STROPE

[www.johnstrobe.com](http://www.johnstrobe.com)

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## EDUCATION

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### University of Nebraska-Lincoln, Bachelor of Science (Anticipated Spring 2021)

- Major: Mechanical Engineering, Minor: Mathematics
- Dean's List, College of Engineering (Fall 2017, Spring 2018, Fall 2018, Fall 2019)
- GPA: 3.773/4.0

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## HONORS AND AWARDS

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- Semifinalist, Walt Disney Imaginations Design Competition (2020)
- Al & Dorothy Schewe Leadership Award (2019)
- Martin C. Hemsworth Engineering Excellence Award (2018)
- ASTM F24 Committee Meeting attendee (Fall 2018, Spring 2019, Spring 2020)

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## INDUSTRY EXPERIENCE

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### Engineering Intern

Prism Systems | Mobile, AL / Burbank, CA

January 2019 - Present

- Designed, budgeted, and coordinated the logistics and installation of a Radiating Coax wireless network for a ride under construction in Hollywood, California.
  - Managed a four-person installation crew, conducted factory acceptance testing, drafted technical reports, and coordinated progress reports.
- Fabricated multiple components and completed material attenuation testing for a "major theme park expansion" in Anaheim and Orlando.

### Community Design Projects

UNL Theme Park Design Group | Lincoln, NE

November 2017 - Present

- Guide diverse teams through multiple collaborative design projects and fundraisers, from blue-sky conceptualization through fabrication and installation, including:
  - Give Kids the World Putt-Putt Charity Drive (2020)
  - Louise Pound Hologram (2019)
  - Giraffe Enrichment Design (2019)
  - "Super-Strength" Children's Exhibit (2018)
- Coordinate with administrators, sponsors, and community partners to ensure project success.

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## LEADERSHIP

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- President/Founder, UNL Theme Park Design Group (Fall 2017 - Present)
  - Focus on educating and connecting students with the Themed Entertainment Industry through competitions, hands-on projects, conferences, and on-site tours
- Representative, Engineering Student Advisory Board (Spring 2018 - Present)
- Executive Team Officer, Pi Tau Sigma Engineering Honor Society (Fall 2020 - Present)

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## SKILLS

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- CAD (Solidworks, AutoCAD, Autodesk Fusion360)
- MATLAB & Simulink, Swift
- Project Management and Creative Problem Solving
- Rapid Prototyping (CNC Fabrication, Additive Manufacturing, Laser/Waterjet cutting)
- Technical Writing and Communication