

# Benjamin Thrun

EMAIL: BenThrun11@gmail.com

LinkedIn: [www.linkedin.com/in/ben-thrun](http://www.linkedin.com/in/ben-thrun)

---

**EDUCATION:** *Illinois Institute of Technology, Chicago IL* Expected Graduation Dec 2020  
Candidate for M.E. in Aerospace Engineering GPA: 3.83

*Illinois Institute of Technology, Chicago IL* Expected Graduation Dec 2020  
Candidate for B.S. in Aerospace Engineering GPA: 3.50

## RELEVANT

**COURSEWORK:** Computational Fluid Dynamics, Data Driven Modeling,  
Aerodynamics of Aerospace Vehicles, Aircraft Flight Mechanics,  
Spacecraft Dynamics, Systems of Analysis & Control

## HIGHLIGHTS:

- Proficiency in MATLAB, Python, Microsoft Office
- Working Knowledge in Simulink, dSPACE, Control desk and XFLR5

## EXPERIENCE:

❖ **Fluid Dynamics Laboratory, Illinois Institute of Technology** **Chicago, IL**  
*Graduate Research Assistant* **May 2020 – Present**

- Researcher focusing on determining characteristic traits of a newly created test section of a wind tunnel
- Closed loop wind tunnel has vertical and longitudinal louvers to produce gust at different angles as well as traveling waves
- Calibration and integration of hardware together, along with collecting and processing data
- Hot-wire anemometer(s), Aeroprobe, and Pitot-Static probe; collect data through dSPACE and Simulink
- NACA 0012 Airfoil and force sensor to find lift in unsteady flow
- Analysis of data sets found turbulence intensity, velocity profile for steady and unsteady flow

❖ **NAVFAC MIDLANT, United States Navy** **Great Lakes, IL**  
*Engineering Intern* **June 2019 - Aug 2019**

- Effectively used AutoCAD to edit and update existing floorplans for buildings in historic district
- Gathered pricing information for installation project on base using RS Means
- Took part in an audit of hazardous materials compliance on offsite golf course

## Certifications

- Hazardous Substance Incident Response Management (HSIRM) certified

❖ **Menards Inc.** **Morris, IL**  
*Garden Center Sales Associate* **June 2016 - Aug 2018**

- Collaborated with store management to execute tasks such as building sale displays and effectively unload shipments
- Assisted customers with their projects and directed them to helpful resources
- Trained several new workers on how to properly maintain plants and product knowledge

## PROFFESIONAL ORGANIZATIONS:

❖ **Omega Delta National Fraternity Epsilon Chapter** **Chicago, IL**  
*Sergeant at Arms* **May 2020 – Present**

- Supervised and maintained order at chapter meetings

*Academic Chair* **Jan 2019 - Dec 2019**

- Raised Chapter GPA for two consecutive semesters with an average increase of 18% amongst members
- Maintained an atmosphere and tone within the chapter conducive to the pursuit of academic excellence