

Seneca, IL

Benjamin Thrun

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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
- Reviewed contracting documentation including statement of work (SOW) and submittals
- 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