

Ethan Stoddard

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Education

North Carolina State University, B.S.E. in Mechanical Engineering, May 2020. GPA: 3.920/4.000

Relevant Courses

Thermodynamics I, Dynamics, Solid Mechanics, Statics, SolidWorks, MATLAB, Applied Differential Equations, Calculus III, Mechanical Engineering Lab I, Prin. Electrical Engineering

Extracurricular Activities

North Carolina State University SolarPack Team Member (2017-Present)

- Researched optimal materials for chassis design
- Modeled aluminum/steel spaceframe chassis with AutoDesk Fusion360
- Conducted finite element analysis with Fusion360 to identify optimal chassis geometries, crush zone locations, weak/hard points and mounting locations
- Researched and conducted polycarbonate windshield heat-forming and mounting
- Participated with collegiate and corporate outreach for funding and support

North Carolina State University Engineering Village (2016-2017)

- High-participating member of the community via group activities and corporate externships/tours of Northrop Grumman and GE Aviation

North Carolina State University Power Sound of the South, Varsity Band (2016-Current)

- Lead trumpet player, Power Sound of the South (2016), Varsity Band (2017-2018)

Volunteerism

National Honors Society (2015-2016)

- Volunteered with local nonprofits, community clean-ups, club-sponsored events

Kramden Institute (2014-2015)

- Refurbished hardware and software of numerous computers for local students and families in need in a workshop/progressive assembly environment

Honors/Awards

Pi Tau Sigma International Mechanical Engineering Honors Society

Golden Key Honors Society

Dean's List (2016-Present)

First Place Mechanical Arcade Game, Freshman Engineering Design Day

Work Experience

Library Student Assistant, D.H. Hill Library (May 2017-Present)

- Participated in guest assistance and worked in book circulation, including sorting, lending, check-outs, searches, and logistics

Noodles & Company Team Member (July – August, 2016)

- Cooked in a fast-paced, team-based environment while maintaining workspace upkeep