

# Maeve Cantwell

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## Education:

University of Hartford, West Hartford, CT Expected Graduation Date: May 2021 GPA: 3.92

Major: B.S. in Mechanical Engineering – Acoustics Concentration

Minors: Math, Architectural Design + Technology

## Relevant Courses:

- Architectural Design I and II
- Advanced Topics in Eng. Acoustics
- Vibrations I and II
- Thermodynamics I and II
- Fluid Mechanics
- Mechanical Design

## Extracurriculars:

- Acoustical Society of America
- Tau Beta Pi Engineering Honor Society - *Secretary*
- Society of Women Engineers
- Alpha Lambda Delta National Honor Society
- oSTEM (Out in STEM) - *Vice President*
- Alpha Chi National Honor Society

## Work Experience:

Statics Teaching Assistant, College of Engineering, Technology, and Architecture Fall 2019 and 2020  
*University of Hartford, West Hartford, CT*

- I teach a review class to go over basic skills and practice problems for students struggling in statics
- Enhances my leadership and communication skills

Peer Tutor, University of Hartford Centralized Tutoring Center Fall 2018-Present  
*University of Hartford, West Hartford, CT*

- I give aid and advice to students struggling in math, physics, and engineering courses
- Enhances my problem-solving, communication, and small-scale leadership skills

Lab Assistant, Acoustics Laboratory Spring 2019  
*University of Hartford, West Hartford, CT*

- I did background research and gave design advice to two seniors working on their capstone project
- Increased my understanding of current and historical acoustic research

## Internship:

Intern, Cerami and Associates Summer 2019  
*Cerami and Associates, New York, NY*

- I worked in the D.C. office helping with reports, drawing markups, and measurements on job sites
- Gave me skills needed to work as an acoustic consultant

## Projects and Research:

Hearing Space Fall 2020

- Honors project creating models and auralizations of three concert halls for future research

Museum of Sound Fall 2020

- Architecture project, designed museum based on sound and acoustics

Architecture, Society, and Instrumentation Spring 2020

- Acoustical investigation into the complex history of influences to music in Western culture

Sound of the Violin Spring 2020

- Grant-funded FEA simulation of Chladni patterns on the top plate of a violin

Granby Memorial Middle School Acoustic Analysis Spring 2019

- Sophomore project to give acoustic recommendations for the school's chorus room

## Additional Experiences and Skills:

- Programming Languages: C++ and MATLAB
- B&K 2250, NTI XL2
- Basic woodshop skills
- Honors student
- Strong public speaking skills
- Instruments: Cello and Mountain Dulcimer
- Software: Odeon, SketchUp, Solidworks, COMSOL, GIMP, Autodesk CAD and REVIT
- Languages: Some American Sign Language, conversant and literate in French, self-taught in Irish Gaelic