

# Gretchen Rice

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## Olin College of Engineering

Bachelor of Science in Engineering: Concentration in Robotics  
Recipient of 4-year, 50% Tuition Olin Merit Scholarship  
GPA: 3.88

## Experience

### Fulbright Scholar

述美國小 Kinmen, Taiwan

- > Taught kindergarten through 6th grade English
- > Co-taught majority of classes, 2-5 solo classes per semester
- > Taught 14-18 classes a week
- > Attended teaching workshops biweekly

May 2020

2021-2022

### Fulbright Scholar - Remote Service

Taiwan

- > Spring 2021 one day a week taught Kinmen 5th graders all day at "English Village"
- > Fall 2022 spent one day teaching an English camp in Nantou, Taiwan
- > Spring 2022 spent one day teaching an English camp in Green Island, Taiwan

2021-2022

### Pod Teacher

Hebron, Maine

- > Worked with 6 students: 1st-5th grade
- > Assisted with their online, Zoom classes and homework
- > Created supplemental curriculum activities
- > Worked closely with students' parents

Fall 2021

### REU Researcher

Harvey Mudd College

NSF funded REU

- > Worked in Professor Jim Boerkoel's lab; team of three undergraduate students
- > Worked on human-robot teaming path planning
- > Developed human subject experiences to test human-robot teamwork
- > Presented paper in AI-HRI symposium

Summer 2019

### REU Researcher

Oregon State University

NSF funded REU

- > Worked in Dr. Geoffrey Hollinger's lab; worked closely with graduate students
- > Wrote ROS functionality in Python to pass waypoints to Robotic Ocean Explorers
- > Developed Python software to send information from ROS simulator to visualizer
- > Gave presentations to REU students, professors, and graduate students and created poster

Summer 2018

### Resident Assistant

Olin College of Engineering

- > Worked closely with team of 9 others to provide resources and support for student body
- > Promoted emotional, physical, and academic health for peers
- > Worked closely with Student Affairs office to be voice of student body

2017-2020

## Papers & Awards

Fulbright Awardee for 2020-2022

- > Awardee for Fulbright Taiwan English Teaching Assistant January 2021- June 2021
- > Awardee for MOE Taiwan English Teaching Fellowship July 2021- June 2022

MAD-TN: A Tool for Measuring Fluency in Human-Robot Collaboration

<https://arxiv.org/abs/1909.06675>

- > Paper published for the AI-HRI symposium.

## Other Leadership Experience

English Showcase Club - 3 semester

Elementary school music club in Taiwan  
15-20 students; 3-5th graders

Taught English through song and dance  
1 performance per semester

Remote Service Camp Leader

Coordinated among 30 English teachers  
Planned and ran day long English camp  
Over 100 1st-6th graders

PowerChords President - 2 years

Music group at Olin College  
President of group of 14  
Performed regularly; competed twice

Teaching Assistant - 4 years

Helped professors design curriculum  
Worked with students to understand concepts  
Graded students work

## Skills

### People

Leadership  
Organization  
Teaming  
Adaptability  
Communication  
Conflict Resolution  
Active Listening  
Flexibility  
Teaching  
Teaching ESL

### Technical

Design Methods  
CITI Trained  
Microsoft Suite  
Adobe Suite  
G Suite  
HTML  
CSS  
Javascript  
ROS  
Python  
Arduino  
Java  
Git  
Mathematica  
STATA  
Solidworks