

Rónán Gissler

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EDUCATION

Tufts University, Medford, MA

BS in Mechanical Engineering (Expected May 2022)

GPA: 3.98 Honors: Dean's List all semesters, member of Tau Beta Pi

ENGINEERING EXPERIENCE

Heat Transfer Course, Tufts University

Teaching Assistant, January 2021 - Present

- Grade students' assignments and perform heat transfer demonstrations for students

Robot Locomotion & Biomechanics Lab, Tufts University

Undergraduate Researcher, March 2020 - Present

- Designing flying-squirrel-inspired aerial robot in Solidworks with 126 parts, 32 of them unique
- Read 15+ research papers on novel MAV design, presented on 8 of these in lab meetings

Human Factors Engineering Lab, Tufts University

Undergraduate Researcher, June - August 2019

- Studied various motion sensors and programmed web interface for creative data analysis project
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OTHER EXPERIENCE

Tufts Emergency Medical Services (TEMS), Tufts University

EMT-B, December 2018 - Present

- Responded to 47 medical emergencies on Tufts campus

Technical Director, December 2019 - December 2020

- Acquired, maintained, and trained membership on all equipment (medical, communication, vehicle, office) used by TEMS

Cataldo Ambulance Service, Malden, MA

EMT-B, June - September 2019

- Transported 100+ patients in Boston area
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SKILLS, AWARDS, AND INTERESTS

Language: Highly proficient Mandarin Chinese

Engineering Software: Proficient Solidworks CAD and FEA, intermediate COMSOL CFD, and basic KiCad

Programming: Intermediate Python, basic Matlab, basic LabVIEW, basic R, basic C++, and intermediate web development (HTML, CSS, JS, Flask)

Awards: Eagle Scout, Mead Jonathan Taylor Prize for Undergraduate Research

Interests: Teardowns, Birdwatching, Cycling