

Rónán Gissler (孟英龍)

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79 Lyman Avenue, Medford, MA 02155

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

WORK AND VOLUNTEER EXPERIENCE

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 10+ research papers on novel MAV design, presented on 6 of these in lab meetings
- Authored thorough 10 page instructional document for lab 3D printer

Tufts Emergency Medical Services (TEMS), Tufts University

Technical Director, December 2019 - December 2020

- Acquire, maintain, and train membership on all equipment (medical, communication, vehicle, office) used by TEMS

EMT-Basic, December 2018 - Present

- Responded to 38 medical emergencies on Tufts campus
- Communicate with patient, bystanders, fire, police, and other EMS agencies to provide medical care in 911 situations

Human Factors Engineering Lab, Tufts University

Undergraduate Researcher, June - August 2019

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

Cataldo Ambulance Service, Malden, MA

EMT-Basic, June - September 2019

- Transported 100+ patients in Boston area
 - Communicated with patient, bystanders, fire, police, and hospital care team to provide medical care in 911 and non-emergency situations
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SKILLS AND INTERESTS

Language: Highly proficient Mandarin Chinese

Computer: Proficient Solidworks CAD and FEA, intermediate COMSOL CFD, intermediate Microsoft Suite, intermediate Python, basic KiCad, basic web development (HTML, CSS, and Javascript), basic Matlab, basic R, and basic C++.

Interests: Teardowns, Birdwatching, Cycling