

# DANIEL MCGINN

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## EDUCATION

### Tufts University, Medford MA

Master of Science in Mechanical Engineering, May 2019

- GPA: 3.73/4.0
- Core Concentrations: Design, Dynamics & Controls

Bachelor of Science in Mechanical Engineering, May 2018

- Magna Cum Laude, GPA: 3.53/4.0
- Minor in Engineering Management

### University of Auckland, New Zealand

Semester Study Aboard Program, 2017

## CERTIFICATIONS & SKILLS

- |  |                                |
|--|--------------------------------|
| ▪ Certified SOLIDWORKS Expert (CSWE)-<br>Mechanical Design   | ▪ General Machining            |
| ▪ Certified SOLIDWORKS Professional (CSWP)-<br>Simulation, Drawings, Sheet Metal, Weldments, Surfacing | ▪ Python                       |
| ▪ Certified SOLIDWORKS Associate (CSWA)-<br>Electrical, Sustainability, Additive Manufacturing         | ▪ C++                          |
| ▪ Lean Six Sigma Black Belt (Tufts Gordon Institute)   | ▪ LabVIEW                      |
|  | ▪ Matlab                       |
|  | ▪ Simulink                     |
|  | ▪ Microsoft Office Suite & VBA |

## WORK EXPERIENCE

**DASSAULT SYSTÈMES | SOLIDWORKS Product Definition Internship** August 2018 – May 2019

- Worked with the team responsible for the management and development of SOLIDWORKS
- Processed software enhancement requests from users
- Participated in the organization and planning of SOLIDWORKS World

**TUFTS CENTER FOR ENGINEERING EDUCATION & OUTREACH** May 2018 – August 2018

- Developed prototypes that display dynamic data in augmented reality in liaison with PTC
- Supervised undergraduate researchers

## PROJECTS

### LEGO Robotics Classroom Programming Hub – Master’s Project

- Designed a system to allow a classroom of students to easily connect to LEGO EV3s and program the EV3s in python through a web browser

### Low Cost Fatigue Testing Machine – Senior Design Project

- Designed and built a fatigue testing machine for a startup company in India that manufactures modular roofing tiles for slum and village homes

### Intravitreal Drug Delivery Device

- Co-Invented a surgical device used to inject drugs into a patient’s ocular cavity
- International Patent Application Publication Number: WO2019018367A1

## AWARDS & PROFESSIONAL ORGANIZATIONS

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|--|---------------|
| ▪ Tufts University 2018 O’Leary Design Award | ▪ Eagle Scout |
| ▪ ASME, Member Since 2017                    |               |