

# DANIEL MCGINN

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## EDUCATION

### Tufts University, Medford MA

Master of Science in Mechanical Engineering, Expected May 2019

- GPA: 3.67/4.0
- 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 Professional (CSWP)                        | ▪ General Machining      |
| ▪ CSWP – Drawing Tools, Sheet Metal, Weldments, Surfacing         | ▪ Additive Manufacturing |
| ▪ Lean Six Sigma Black Belt (Certified by Tufts Gordon Institute) | ▪ C++                    |
| ▪ Microsoft Office Suite & VBA                                    | ▪ Python                 |
|   | ▪ Matlab                 |
|   | ▪ LabVIEW                |

## WORK EXPERIENCE

### DASSAULT SYSTÈMES

August 2018 – May 2019

- SOLIDWORKS Product Definition Internship
- Process software enhancement requests from users
- Participate in the organizing 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

### 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                    |               |