

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 Expert (CSWE)
- Certified SolidWorks Professional (CSWP) – Drawings, Sheet Metal, Weldments, Surfacing
- Lean Six Sigma Black Belt (Certified by Tufts Gordon Institute)
- Microsoft Office Suite & VBA
- General Machining
- Additive Manufacturing
- C++
- 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

- Tufts University 2018 O'Leary Design Award
- ASME, Member Since 2017
- Eagle Scout