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 & Simulink
- LabVIEW

WORK EXPERIENCE

DASSAULT SYSTÈMES|SOLIDWORKS Product Definition Internship   August 2018 – May 2019
- Work with the team responsible for the management and development of SOLIDWORKS
- Process software enhancement requests from users
- Participate 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
- Designing 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

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