

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

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