

DANIEL MCGINN

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WORK EXPERIENCE

DASSAULT SYSTÈMES | SolidWorks Product Portfolio Manager November 2019 – Present

- I lead the product definition for SolidWorks cloud applications
- I lead cross brand teams to develop and deliver cloud solutions for design and engineering
- I engage customers with both an industry and product view to ensure complete product coverage for customer workflows

DASSAULT SYSTÈMES | SolidWorks Product Definition Intern August 2018 – May 2019

- I worked at SolidWorks for 20-30 hours a week while I was a full-time graduate student at Tufts
 - I processed software enhancement requests from users and wrote technical specs for design & simulation functionality
 - I participated in the organization and planning of SolidWorks World 2019
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EDUCATION

TUFTS UNIVERSITY | Master of Science in Mechanical Engineering May 2019

- Graduated with a 3.73 GPA
- Coursework included Advanced Dynamics, Sustainable Design, & Digital Controls

TUFTS UNIVERSITY | Bachelor of Science in Mechanical Engineering May 2018

- Graduated Magna Cum Laude with a 3.53 GPA
- Minor in Engineering Management

UNIVERSITY OF AUCKLAND | Semester Study Abroad Program February – July 2017

CERTIFICATIONS & SKILLS

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| ▪ Certified SOLIDWORKS Expert | ▪ General Machining |
| ▪ Pragmatic Certified Product Manager | ▪ Additive Manufacturing |
| ▪ Lean Six Sigma Black Belt | ▪ Electronics & Circuitry |
| ▪ Certified Agile Professional | ▪ Programming |
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DESIGN PROJECTS

Robotics Programming Platform for Students

- In 2019, I worked with LEGO Robotics to develop an easily deployable web-based programming platform for students
- The platform provided a web-based programming interface that made it easy for students to connect to LEGO EV3s and follow along with guided tutorials to program in python.

Design for Emerging Markets (Senior Design Project)

- For my senior design project, I designed and built a fatigue testing machine for a company in India that designs and manufactures modular roofing tiles for village homes
- I lead a team of 5 engineering students and I personally designed and fabricated the mechanical assembly
- I travelled to Ahmedabad, India to install the machine prototype
- For this project, I received the 2018 James P. O'Leary Award for outstanding contributions in the area of design

Medical Device Invention

- During Junior year of college I co-invented a surgical device with my roommate
- We worked with the Tufts Office of Technology Transfer to file a patent for the design