

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 with customers 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 for 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
- Minored 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 | ▪ Digital Control Systems |
| ▪ Certified Agile Professional | ▪ Microsoft Office Suite |
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DESIGN PROJECTS

Robotics Programming Platform for Students

- I worked at the Tufts Center for Engineering Education & Outreach for 2 summers in college
- 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

- 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