

# DANIEL MCGINN

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## WORK EXPERIENCE

### DASSAULT SYSTÈMES | SolidWorks Product Manager

November 2019 - Present

- Currently managing a portfolio of cloud-based CAD apps including xDesign, xFrame, & xShape
- Instrumental in the development and launch of SolidWorks for Makers
- Expertise in defining and launching products, specializing in Cloud and AI/ML technologies
- Proven track record of building partnerships with senior leaders and securing agreements

### DASSAULT SYSTÈMES | SolidWorks Product Definition Intern

August 2018 - May 2019

- Managed and documented 100+ customer enhancement requests for new functionality
- Researched and authored technical specifications for developers

### TUFTS CEEO | Student Intern

Summer 2018 & 2019

- Designed prototypes for STEM education using LEGO Robotics, Root Robotics, & Sphero

## EDUCATION

### TUFTS UNIVERSITY | M.S. Mechanical Engineering

May 2019

- 3.71/4.00 GPA
- Balanced 20-30 hours per week at SolidWorks while pursuing full-time studies

### TUFTS UNIVERSITY | B.S. Mechanical Engineering

May 2018

- 3.53/4.00 GPA (Magna Cum Laude)
- Minor in Engineering Management
- Engineered a fatigue testing machine for a company in India, as part of my Senior Design Project

## SKILLS

### CAD

- Certified SolidWorks Expert with demonstrated proficiency in advanced design and simulation techniques and comprehensive knowledge of SolidWorks functionalities
- Advanced knowledge of 3DEXPERIENCE and ENOVIA for the effective management of design data, with hands-on experience navigating and optimizing these PLM solutions

### Mechanical

- Utilized 3D Printing and Laser Cutting techniques for rapid prototyping of parts
- Applied DFM/DFA principles to create precise 3D models

### Electronics & Software

- Proficient in Digital Control Systems with hands-on expertise in prototyping electromechanical systems
- Experience developing in object-oriented programming languages, including C++, MATLAB, and Python

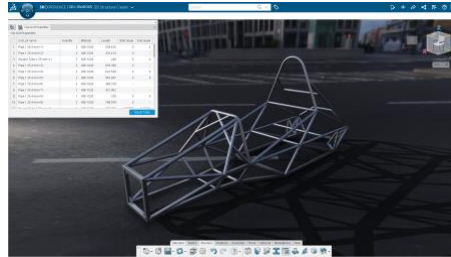
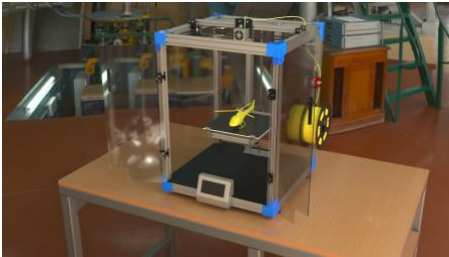
### Product Management

- Knowledge of multiple functional areas including Product Management, UX, and Marketing
- Skilled in planning product roadmaps and overseeing day-to-day technical direction
- Certified in Product Management, Product Marketing, and Agile Project Management

## PROJECTS

### SolidWorks Cloud Apps

- Developed diverse datasets for demonstrating proper design practices across parts, assemblies, surfacing, frame design, sheet metal design, drawings, and model-based definition (MBD)
- Prepared and delivered engaging demonstrations showcasing the full spectrum of design functionality available on the 3DEXPERIENCE Platform, highlighting advanced features such as generative design, lattice design, design of experiments (DOE), and eco-design

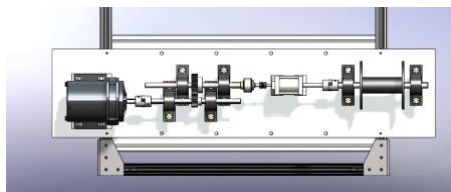


### SolidWorks for Makers

- Instrumental in the development and launch of SolidWorks for Makers, a groundbreaking solution that equips makers and hobbyists around the globe with powerful, professional-grade design tools
- Awarded the 2021 Innovation Forwards Award, which celebrates the most innovative projects developed by Dassault Systèmes teams worldwide

### Design for Emerging Markets

- Designed and fabricated a fatigue testing machine for a company that manufactures modular roofing tiles for village homes in India, as part of my Senior Design Project
- Designed parts and assemblies by applying DFM/DFA concepts, demonstrated adept project management skills, integrated a digital control system with multiple sensors and actuators, and conducted fabrication involving machining custom parts
- Awarded the 2018 James P. O'Leary Award for outstanding contributions in the area of design



Actuation System Iteration 1



Actuation System Iteration 2

### Medical Device Patent

- In my junior year of college, I collaborated with a biomedical engineering student to invent a medical device for use in ocular surgery and file a patent for the design
- Recognizing an issue with the current medicine injection process for treating macular degeneration, we developed a new design that would stabilize pressure in the ocular cavity