

# 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, driving discussions, 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, utilizing LEGO Robotics and AR Software

## EDUCATION

- TUFTS UNIVERSITY** | M.S. Mechanical Engineering May 2019
- 3.73/4.00 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
- UNIVERSITY OF AUCKLAND** | Semester Abroad February – July 2017

## 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

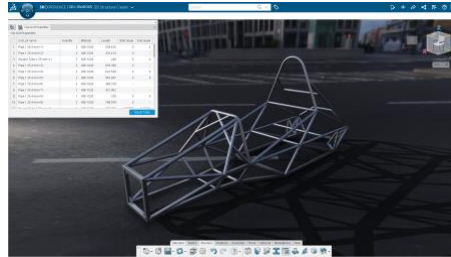
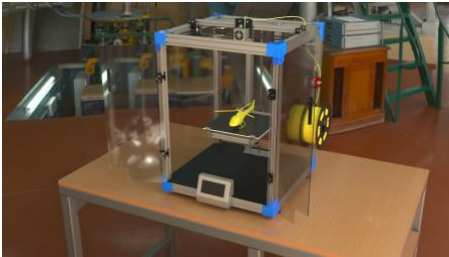
### Product Management

- 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

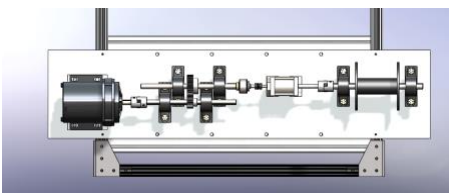


## SolidWorks for Makers

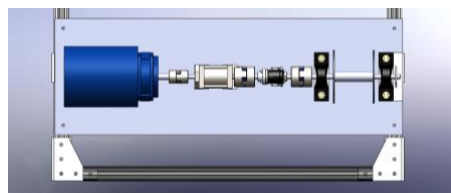
- Instrumental in the development and launch of SolidWorks for Makers, a groundbreaking solution that equips makers and hobbyists around the globe with powerful, professional-grade design tools
- Awarded the 2021 Innovation Forwards Award, which celebrates the most innovative projects developed by Dassault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

## Design for Emerging Markets

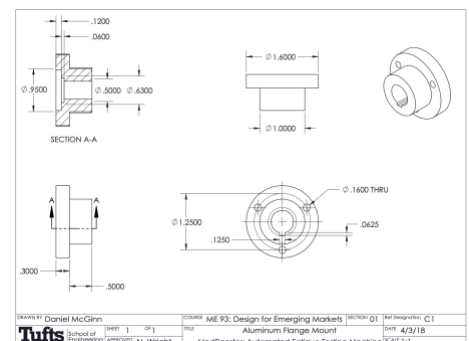
- Designed and fabricated a fatigue testing machine for a company that manufactures modular roofing tiles for village homes in India, as part of my Senior Design Project
- Design parts and assemblies by applying DFM/DFA concepts, demonstrated adept project management skills, integrated a digital control 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



## Custom Machined Part