DANIEL MCGINN

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WORK EXPERIENCE

DASSAULT SYSTÈMES | SolidWorks Product Manager
November 2019 – Present

- Expertise in defining and launching products with a focus on meeting customer needs
- Proven track record of building partnerships with senior leaders and securing agreements
- Experience collaborating with engineers, designers, and stakeholders to translate customer requirements into actionable design specifications

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

- Managed and documented 100+ customer enhancement requests for new functionality
- Authored technical specifications to guide development projects for design and simulation functionality in SolidWorks

TUFTS CEEO | Student Intern
Summer 2018 & 2019

- Researched innovative methods to integrate robotics education into classroom curricula

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

SKILLS

CAD

- Certified SolidWorks Expert with demonstrated proficiency in advanced design and simulation techniques and comprehensive knowledge of SolidWorks functionalities
- Advanced knowledge of **3D**EXPERIENCE 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
- Adept at operating both manual and CNC machinery for fabricating custom parts
- Applied DFM/DFA principles to create precise 3D models

Electronics & Software

- Skilled in designing and integrating digital control systems for electromechanical systems
- Proficient in object-oriented programming languages, including C++, MATLAB, and Python

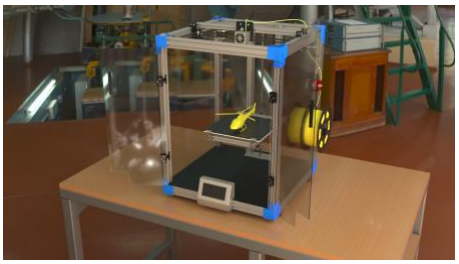
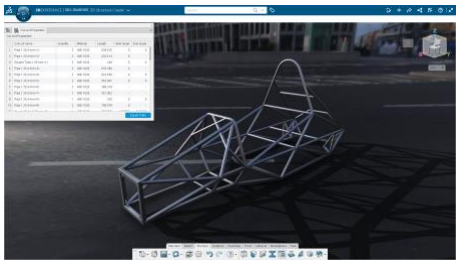
Project Management

- Effective communication skills, including the ability to present technical information clearly and persuasively to diverse audiences
- Demonstrated ability to lead cross-functional teams in the development of innovative products from concept to production

PROJECTS

SolidWorks Cloud Apps

- As a Product Manager at SolidWorks, I manage a portfolio of Cloud-Based CAD 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 **3D**EXPERIENCE Platform, highlighting advanced features such as generative design, lattice design, design of experiments (DOE), and eco-design

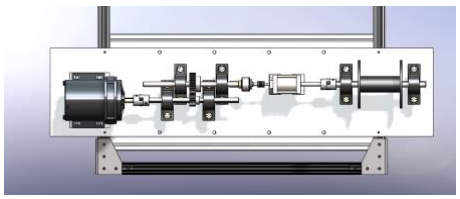


SolidWorks for Makers

- Instrumental in the development and launch of SolidWorks for Makers, a groundbreaking solution that equips makers around the globe with professional-grade design tools
- Awarded the 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 fabricated custom parts through machining processes
- Awarded the James P. O'Leary Award for outstanding contributions in the area of design



Actuation System Iteration 1

Actuation System Iteration 2

Medical Device Design

- Collaborated with a biomedical engineering student to design and patent a medical device for use in ocular surgery
- Developed a novel design for a syringe that would improve patient safety by maintaining stable pressure in the ocular cavity during medicine injections