

Natalia L. Dadisman

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EDUCATION

Bachelor of Science, Biomedical Engineering

University of Florida, Gainesville, FL

May 2026

GPA: 3.86/4.00

INTERNSHIPS

Quality Intern, TEVA Pharmaceuticals, Ft. Lauderdale, FL

May 2025-Present

- Optimized vendor management processes by redesigning material onboarding and approval workflows, delivering \$100,000+ in projected annual savings
- Conducted nitrosamine testing of incoming materials to ensure compliance with FDA regulations
- Coordinated shipments and vendor files with high accuracy, improving traceability and reducing errors
- Interviewed 5+ departmental representatives to identify redundancies in new product lines and material changes to standardize documentation practices and enhance cross-departmental coordination
- Implemented a new vendor management system, cutting approval time by 10%

RESEARCH EXPERIENCE

3D-Printed Cardiovascular Tissue Models for Rapid Drug Screening,

December 2024-Present

Dr. Renato Navarro, Dept. of Materials Science and Engineering, UF

- Differentiate human iPSCs into cardiomyocytes to establish in vitro cardiac tissue models for drug screening and cardiotoxicity testing
- Maintain 95%+ cell viability through aseptic culture and fluorescent microscopy monitoring
- Manage lab materials, troubleshoot protocols/equipment, and ensure efficient lab operations
- Review literature on injectable biopolymeric hydrogels for post-myocardial infarction therapies, identifying alternative in vitro testing environments to reduce reliance on animal models

TEACHING EXPERIENCE

UF Powering the Community Mentor, University of Florida MSE EQuIPD

September 2024-Present

- Guide 2-3 student teams in community smart power grid design using AI and systems engineering principles
- Utilize communication skills to lead weekly meetings, provide technical feedback, and foster problem-solving
- Ensure 95% project completion through effective project management and clear deliverables

UF Goldberg Gators Engineering Experience Facilitator, University of Florida MSE EQuIPD

May 2024-Present

- Teach middle school students coding using MakeCode and microcontrollers
- Lead debugging and design sessions, reinforcing core engineering concepts

ACTIVITIES

GRIP-Hand Design Team Member

September 2022-Present

- Designed and prototyped a softball glove prosthetic in SolidWorks to improve adaptability for hand disabilities
- Researched and tested materials to improve durability, comfort, and biomechanical function

COMMUNITY SERVICE

Volunteer, Idylwild Elementary School

January 2024-Present

- Assisted with student reward systems and planning for large school events, including annual Carnival

AWARDS

- University Scholar's Program

March 2024-Present

- University of Florida President's Honor Roll

December 2024

- 4 Time Recipient of the Herbert Wertheim College of Engineering Dean's List

2022-2025

CERTIFICATIONS

SOLIDWORKS CAD Design Associate

Lab Safety: Certified for tissue culture practices by the UF Office of Environmental Health and Training, Autoclave Use

SKILLS

Lab: Cell Culture (BSL-1/2), Aseptic Technique, Centrifugation, Confocal/Fluorescent Microscopy, Micropipetting

Software: Python, MATLAB, SAP ERP, KiCAD, Arduino, ImageJ, Blender

Languages: Fluent in English, Intermediate in Spanish