

Daniel Misherky

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EDUCATION

University of South Florida (USF)

Bachelor of Science in Computer Science

Tampa, FL

Expected Graduation: May 2027

GPA: 4.00/4.00

Honors and Awards: Dean's List (Fall 2024, Spring 2025, Fall 2025), USF Presidential Scholarship (August 2024-Present), Microsoft Office Specialist 2016 Master (May 2022-Present)

SKILLS & ACTIVITIES

Languages: Java, Python, C/C++, SQL (MySQL/MSSQL/PostgreSQL), JavaScript, HTML/CSS, Arduino, COBOL
Frameworks: React, Framer, Next.js, Express.js, Node.js, Apache Hadoop, Hive, Pig, Spark, Docker, Supabase
Developer Tools: Git/GitHub, VS Code, Visual Studio, AWS, Microsoft Office, Linux, Unix, Command Line Interface
Libraries: pandas, NumPy, matplotlib

LEADERSHIP

Full-Stack Web Developer

October 2025 – Present

Society of Aeronautics and Rocketry (SOAR) at USF

Tampa, FL

- **Rebuilding the SOAR website using React and Next.js, deployed on Vercel**, while maintaining up-to-date event pages, blog content, and multimedia aligned with **organizational branding**
- **Collaborating with marketing and PR leadership** to deliver a visually consistent, accessible, and **mobile-optimized web experience**, improving navigation and overall usability
- **Developing custom React components and interactive features**, embedding video/photo galleries and dynamic registration forms, and **resolving layout and responsiveness** issues to support high-impact outreach

Outreach + Full-Stack Web Director

November 2025 – Present

Society of Hispanic Professional Engineers (SHPE) at USF

Tampa, FL

- **Led ongoing development and performance optimization** of SHPE USF's official Next.js website on Vercel, expanding backend capabilities and launching e-commerce flows for online chapter merchandise purchases; supported **300+ monthly visitors** and drove a **200%+ increase** in site viewership
- **Architected a dynamic photo gallery** by leveraging **Supabase's RESTful APIs** to fetch and render media in real-time, while developing secure admin workflows that utilize **API calls** for seamless **CRUD operations**, media management, and automated publishing directly from the site interface
- **Drove external relations strategy for SHPE USF's spring hackathon** by conducting partner outreach of **40+ professionals/week**, and strengthening long-term industry partnerships to increase funding opportunities

PROJECTS

Full-Stack Weather Application | *HTML, CSS, JavaScript, Express.js, Node.js*

- **Built a full-stack global weather application** that lets users view **current, hourly, and 7-day forecasts** for over **200,000 cities**, providing a clear, intuitive experience across devices
- Developed it using **JavaScript, HTML, CSS, and a Node.js/Express backend on Vercel**, integrating **OpenWeather's geocoding, hourly, and daily APIs, fuzzy autocomplete search, geolocation**, persistent favorites, share-to-clipboard, and a **cron-driven newsletter system** with robust error handling
- **Delivered a fast, reliable, and accessible platform** that offers accurate, timezone-aware forecasts, smooth data flow, personalized user features, and automated daily updates for subscribers

The Magic School Bus - Autonomous Robot | *Arduino*

- **Led a cross-functional team of five** to architect and manufacture a fully autonomous robot using Arduino microcontrollers and H-Bridge motor drivers, successfully navigating strict engineering constraints including a **\$40 budget** and a precise **6"x6"x6"** maximum disassembled size
- **Engineered optimized control logic in Arduino** to manage sensor integration and motor synchronization while spearheading project milestones, including task delegation, comprehensive cost-benefit analysis, and resource allocation to ensure **100%** on-time delivery of the prototype
- **Achieved a near-perfect evaluation of 14.3/15** from a panel of industry judges, securing top marks for **reliability, execution speed, and mechanical innovation**, while maintaining a modular design for streamlined assembly and maintenance