Daniel Misherky

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EDUCATION

University of South Florida (USF) — Tampa, FL
Bachelor of Science in Computer Science — *Expected Graduation: May 2027*
GPA: 4.00/4.00
Honors and Awards: Dean's List (Fall 2024, Spring 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), MongoDB, JavaScript, HTML/CSS, Arduino
Frameworks: React, Framer, Next.js, Express.js, Node.js, Apache Hadoop, Hive, Pig, Spark
Developer Tools: Git/GitHub, VS Code, Visual Studio, AWS, Microsoft Office, Linux, Unix, Command Line Interface
Libraries: pandas, NumPy, matplotlib
Student Organizations: Association of Computing Machinery, IEEE Computer Society at USF, Society of Hispanic Professional Engineers, Society of Aeronautics and Rocketry (SOAR) at USF, Google Developer Group at USF

PROJECTS

Full-Stack Weather Application | *HTML, CSS, JavaScript, Express.js, Node.js* — [dmish13.github.io]
- **Built a full-stack weather application** with **JavaScript, HTML, CSS, and a Node.js/Express** backend deployed on **Vercel** that integrates **OpenWeather geocoding**, the **hourly forecast API**, and the **16-day daily forecast API** to deliver **accurate**, timezone-aware **current, hourly, and daily** weather displays
- **Designed** and **implemented** a **responsive, accessible** client experience with **fuzzy autocomplete** city search, country and state selectors, **suggestion highlighting**, **toast notifications**, share-to-clipboard with **Clipboard API fallbacks**, and persistent favorites using **localStorage** and **cookies**, and an option to use **current location** for local weather
- **Engineered server-side** geocoding, **client-side parsing**, temperature conversion, and timezone adjustments, **integrated** a **newsletter subscription API** and a **cron-triggered** daily email system, and **implemented robust error handling**

Autonomous Robot | *Arduino*
- Led a team of **five** to design and build an autonomous robot using Arduino and H-Bridge motor drivers, successfully meeting strict project constraints of under **$40** total cost and a compact **6" x 6" x 6"** form factor
- Developed optimized control code and coordinated project planning, detailed cost estimation, and strategic task delegation to effectively leverage team strengths and ensure successful on-time delivery
- Earned a panel judge score of **14.3/15** for outstanding functionality, speed, innovation, and ease of assembly

EXPERIENCE

Tech Team Volunteer — October 2020 – Present
First Baptist Church New Port Richey — *New Port Richey, FL*
- Ran multimedia installations for live events for **hundreds of attendees**, which supported efforts that raised over **$3,000**
- Delivered technical support to ensure optimal performance of AV equipment during services and special events
- Collaborated closely with team members and event coordinators to achieve seamless event execution

LEADERSHIP

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 + Web Director — November 2025 – Present
Society of Hispanic Professional Engineers at USF — *Tampa, FL*
- **Maintaining and enhancing SHPE USF's official Next.js website deployed on Vercel**, including developing **backend and e-commerce functionality** that enables members to purchase chapter merchandise online, supporting over **250 monthly visitors** and growing engagement
- **Coordinating outreach to industry partners to secure funding and support for SHPE USF's upcoming spring hackathon**, contacting over **40** professionals per week to build relationships and expand organizational partnerships