

Daniel Misherky

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EDUCATION

University of South Florida (USF)

Bachelor of Science in Computer Science

Tampa, FL

GPA: 4.00/4.00

Expected Graduation: May 2027

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), 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 (SHPE) at USF, 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](https://dmish13.github.io/weather-app)]

- 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 (SHPE) 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