

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), 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**
- 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