

Daniel Misherky

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EDUCATION

University of South Florida (USF)
Bachelor of Science in Computer Science
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)

Tampa, FL
Expected Graduation: May 2027

SKILLS & ACTIVITIES

Languages: Java, Python, C/C++, SQL (MySQL/MSSQL), MongoDB, JavaScript, HTML/CSS, Arduino
Frameworks: React, Framer, Next.js, Express.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
Honors and Awards: Dean's List (Fall 2024, Spring 2025), USF Presidential Scholarship (August 2024-Present), Microsoft Office Specialist 2016 Master (May 2022-Present)

PROJECTS

Full-Stack Weather Application | *HTML, CSS, JavaScript, Python, Express.js* [dmish13.github.io/weather-app]

- Enhanced user experience by developing dynamic **UI** features, including weather-condition-adaptive backgrounds and fully responsive, **mobile-optimized design**, increasing user engagement and **accessibility** across devices
- Engineered a robust full-stack weather application leveraging a **JavaScript** frontend and **Express.js** backend, integrating real-time weather data via the **OpenWeatherMap API** and secure environment variable management with **dotenv**
- Designed and implemented intelligent search functionality, generating a comprehensive **JSON** dataset of global cities using **Python pandas** and delivering instant, user-friendly autocomplete suggestions for seamless location search

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
First Baptist Church New Port Richey

- 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

October 2020 – Present
New Port Richey, FL

LEADERSHIP

Web Developer
Society of Aeronautics and Rocketry (SOAR) at USF

- Maintaining and enhancing the SOAR website by regularly updating **event pages, blog content, and multimedia**, ensuring accurate representation of ongoing initiatives and **organizational branding**
- Collaborating with marketing and PR leadership to deliver a visually consistent and accessible web experience, optimizing layouts for **mobile responsiveness** and **user-friendly navigation**
- Integrated custom **HTML, CSS, and JavaScript** with **Framer** site builder to troubleshoot layout issues, embed video/photo galleries, and manage registration forms, supporting **high-impact** outreach and engagement

October 2025 – Present
Tampa, FL

Outreach + Web Director
Society of Hispanic Professional Engineers at USF

- Maintaining SHPE USF's official **Next.js** website deployed on **Vercel** for reliable production deployment and performance
- Building a **backend** and **e-commerce features** so members can purchase SHPE USF merchandise online
- Coordinating outreach to industry partners and sponsors to secure funding and support for SHPE USF's upcoming spring hackathon

November 2025 – Present
Tampa, FL