

Daniel Misherky

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EDUCATION

University of South Florida (USF) <i>Bachelor of Science in Computer Science</i> 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 <i>Expected Graduation: May 2027</i>
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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)	
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PROJECTS

Full-Stack Weather Application <i>HTML, CSS, JavaScript, Python, Express.js</i> [dmish13.github.io/weather-app] <ul style="list-style-type: none">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 devicesEngineered 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 dotenvDesigned 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 <i>Arduino</i> <ul style="list-style-type: none">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 factorDeveloped optimized control code and coordinated project planning, detailed cost estimation, and strategic task delegation to effectively leverage team strengths and ensure successful on-time deliveryEarned a panel judge score of 14.3/15 for outstanding functionality, speed, innovation, and ease of assembly	

EXPERIENCE

Tech Team Volunteer <i>First Baptist Church New Port Richey</i> <ul style="list-style-type: none">Ran multimedia installations for live events for hundreds of attendees, which supported efforts that raised over \$3,000Delivered technical support to ensure optimal performance of AV equipment during services and special eventsCollaborated closely with team members and event coordinators to achieve seamless event execution	October 2020 – Present <i>New Port Richey, FL</i>
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LEADERSHIP

Web Developer <i>Society of Aeronautics and Rocketry (SOAR) at USF</i> <ul style="list-style-type: none">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 brandingCollaborating with marketing and PR leadership to deliver a visually consistent, accessible, and mobile-optimized web experience, improving navigation and overall usabilityDeveloping 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	October 2025 – Present <i>Tampa, FL</i>
Outreach + Web Director <i>Society of Hispanic Professional Engineers at USF</i> <ul style="list-style-type: none">Maintaining SHPE USF's official Next.js website deployed on Vercel for reliable production deployment and performanceBuilding a backend and e-commerce features so members can purchase SHPE USF merchandise onlineCoordinating outreach to industry partners and sponsors to secure funding and support for SHPE USF's upcoming spring hackathon	November 2025 – Present <i>Tampa, FL</i>