

# Daniel Misherky

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## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (MySQL/MSSQL), MongoDB, JavaScript, HTML/CSS, Arduino  
**Frameworks:** React, Next.js, Express.js  
**Developer Tools:** Git/GitHub, VS Code, Visual Studio, AWS, Microsoft Office  
**Libraries:** pandas, NumPy

## EDUCATION

**University of South Florida (USF)** Tampa, FL  
*Bachelor of Science in Computer Science* Expected Graduation: May 2027  
• GPA: 4.00/4.00

## EXPERIENCE

**Tech Team Volunteer** October 2020 – Present  
*First Baptist Church New Port Richey* New Port Richey, FL  
• Coordinated multimedia installations and provided technical support for live events, ensuring optimal performance of AV equipment during services and special events, while communicating effectively with team members and event coordinators.

## PROJECTS

**Autonomous Robot | Arduino**  
• Led a team of 5 to design and build an autonomous robot using Arduino and H-Bridge motor drivers, meeting strict constraints of under \$40 cost and a 6" x 6" x 6" form factor  
• Developed optimized control code and coordinated project planning, cost estimation, and task delegation to leverage team strengths and ensure on-time delivery  
• Achieved top performance, earning a 14.3/15 score from judges based on functionality, assembly speed, and innovative features

**Portfolio Website | React, Next.js, Tailwind CSS** [[danielmisherky.vercel.app](https://danielmisherky.vercel.app)]  
• Developed and deployed a responsive portfolio website using React, Next.js, and Tailwind CSS, hosted on Vercel with automated CI/CD workflows  
• Implemented interactive features including Framer Motion animations, custom project showcases, and a contact form integrated with the Web3Forms API for secure submissions  
• Optimized performance, SEO, and accessibility, applying responsive design, semantic HTML, and Next.js server-side rendering to enhance user experience across devices

**Full-Stack Weather Application | HTML, CSS, JavaScript, Python, Express.js** [[dmish13.github.io/weather-app](https://dmish13.github.io/weather-app)]  
• Developed a full-stack weather application with a JavaScript frontend and an Express.js backend, integrating the OpenWeatherMap API with environment variables managed via dotenv  
• Implemented intelligent search functionality by generating a JSON dataset of global cities using Python pandas and providing autocomplete suggestions as users type.  
• Enhanced user experience with dynamic UI features, including weather-condition-based background changes and responsive, mobile-friendly design

## EXTRACURRICULAR ACTIVITIES

- IEEE Computer Society Student Branch (2024–Present): Active member, workshops & events
- USF Game Development Club (2024–Present): Collaborative game development workshops
- Society of Hispanic Professional Engineers (2025–Present): Tech Team, hackathon/event support