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*

- Assisting with microphones, speakers, projectors, lights, and presentations on Sundays and Vacation Bible School in the summer

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]

- 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]

- 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