Daniel Misherky

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EDUCATION

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

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

PROJECTS

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

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
- Earned a panel judge score of **14.3/15** for outstanding functionality, speed, innovation, and ease of assembly

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

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

EXTRACURRICULAR ACTIVITIES

IEEE Computer Society Student Branch — Aug 2024-Present
- Active member, regularly participating in club workshops and events

USF Game Development Club — Aug 2024-Present
- Participated in collaborative game development workshops, building projects with peers

Society of Hispanic Professional Engineers — Jan 2025-Present
- Contributed to the tech team and provided support for hackathons and special events