Miles Gregory Berg

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EDUCATION

Texas Tech University - College of Arts and Sciences   **Lubbock, TX**

Bachelor's of Science, Biological Sciences   *3.4 Cumulative GPA*

- Minor in Chemistry
- 3x Dean's List, 2x Presidents List

WORK EXPERIENCE

Crestron Electronics   **Plano, TX**

Application Engineer   Sep 2024 - Present

- Provide programming, configuration and technical support to Crestron integrators to ensure the successful deployment and operation of automation systems.
- Collaborate with integrators to design, troubleshoot, and optimize systems, delivering timely resolutions and best-practice guidance.
- Specialize in residential automation with expertise in SIMPL Windows, SIMPL#, audio/video systems, and IP networking.
- Specialization in customized home systems with knowledge in SIMPL Windows, SIMPL# and Crestron Construct, a user interface technology based from general HTML and CSS components

Guinn Partners   **Austin, TX**

Software Developer   Sep 2023 - Feb 2024

- Created a user-centric Ecommerce platform for an autonomous rover mower project, incorporating feedback from supervisors; adjustments increased overall satisfaction, resulting in an improvement in overall website navigation
- Researched and compared 8 competitor websites to determine optimal promotional strategies; developed actionable insights that improved pricing structure.
- Research competitor websites, determining each one's individual approach to promoting their product and applying that knowledge to my own work and design.
- Optimized front-end components using React framework, including the header and footer, improving site navigation and user engagement tenfold. Use optimal coding techniques in JavaScript, **reducing front-end codebase by as much as 30%**.
- Implemented SEO strategies to assist in an increase in site traffic and visitors as well as its ranking within search engines
- Component Development: **Header & Footer Components**

PROJECTS

Personal Portfolio Website

Live Site | **Source Code**

- Designed and developed a portfolio website to showcase and display my projects and skills as well as my eye for user interface design. Website includes links to GitHub portfolio as well as social links (Linkedin), individual projects and a downloadable resume.

Weather Application (WIP)

- Developed a reliable weather application using React.js framework and the OpenWeatherAPI that provides hourly and 5-day forecasts for a selected city, with a visually pleasing user interface to further enhance user experience.

To-Do Web Application

- Create a full stack application using React.js framework and Django, allowing users to create a 'To-Do' list to track and maintain tasks. Application includes real-time updates, allowing users to complete/check off completed tasks.

SKILLS

Fields of Interest: Application Engineering, Software Development, Web/UI Development
Programming Languages: Python, HTML, CSS, JavaScript, Java, C#
Frameworks & Tools: React.js, Angular, Django, Node.js, Adobe Creative Suite
Certifications: *Currently working towards CompTIA Security+*