David Heffron

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EXPERIENCE

Associate Software Engineer   **Plano, TX (Remote)**
L3 Harris   July 2023 – Present

- Utilized Angular framework to create a dynamic and responsive web application, enhancing user interaction and data visualization.
- Implemented data visualization by integrating D3.js and ng2-charts, creating compelling and interactive graphics that enhance the user experience and provide insightful representations of complex data sets.
- Implemented best practices in software development, including version control, code reviews, and testing procedures to ensure high-quality code.
- Participated in agile development methodologies to adapt to changing project requirements.
- Collaboratively assisted in the growth of our C# REST API by architecting and implementing new endpoints, enhancing the functionality and versatility of our application.
- Implemented authentication by integrating OpenID Connect to receive JWT tokens, ensuring secure access to the application.

Software Engineer Intern   **Horsham, PA**
HCL Technologies   May 2022 – August 2022

- Built dynamic webpages with React components following best practices guidelines.
- Collaborated with peer software engineers to develop and implement software solutions.
- Analyzed and debugged existing code to identify and fix software issues.
- Constructed API calls from frontend code to communicate with backend services.

EDUCATION

BACHELOR OF SCIENCE (B.S.) IN COMPUTER SCIENCE   December 2022
West Chester University of Pennsylvania, West Chester, PA, US   3.84 GPA

SKILLS

Angular | React | Java | C#/.Net | REST APIs | TypeScript | Git | HTML/CSS | Relational Databases

UX/UI design | C | Python | JavaScript | Agile/Scrum Methodologies | SQL

Awards & Honors

- West Chester University Dean's List: Fall 2019 – Spring 2022
- West Chester University Golden Ram Award: $3,748 per year, Aug 2019 – Dec 2022

- R.I.S.E award from L3 Harris. Received for "Outstanding work, attention to detail in design, implementation, and development contributed greatly to success of the team."
- Academic Excellence Scholarship: $1,000 per year, Aug 2019 – Dec 2022

PROJECTS

NFL Score Tracking Webpage
This is an Angular Single Page Application (SPA) that leverages an NFL API to dynamically fetch and display scores for each week's games. Utilizing Angular routing, users can easily navigate the webpage to access detailed information about different NFL teams, enhancing the overall user experience and providing comprehensive insights into the league.

CSC 345 Lexical Analyzer
Developed a program in Java programming language that replicates a Lexical analyzer for a simple language. The program reads a text file input from the command line and uses recursion, switch-case, and for loops to print out all the lexemes and the token numbers for each specific lexeme type.