

Tia Hunt

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WORK EXPERIENCE

The MITRE Corporation

San Diego, CA

Intermediate Software Engineer

June 2022 – Present

- Led development of frontend features within a React application, driving a 300% increase in yearly artifact sharing rates and doubling cataloged artifacts, enhancing knowledge sharing and reuse of innovative products for impactful sponsor deliveries
- Developed and maintained robust backend features for REST API using Node.js, ensuring scalability and efficiency through seamless deployment with Docker containers, rigorous unit testing with Jest, and integration of Agile/Scrum methodologies to foster iterative development and collaboration
- Designed and implemented a comprehensive Power BI data visualization dashboard, streamlining data collection workflows crucial for informing sponsor leadership in strategic funding allocations across nearly 4000 mission-critical capabilities
- Crafted Adobe XD wireframes for multiple data visualization dashboards, enhancing situational awareness and directly contributing to their adoption in the largest iteration of a global exercise

Associate Software Engineer

June 2021 – June 2022

- Utilized Python to create a dynamic dashboard powered by a SQL database, recognized as an integral component of the sponsor's digital engineering framework, enabling analysis on resource usage, allocation, and algorithm performance metrics
- Implemented Python functions to analyze algorithm performance metrics, conducting rigorous unit testing with Pytest to ensure accuracy and reliability
- Delivered a unified evaluation framework and Tableau data visualization tool, streamlining the sponsor selection of essential vendors for critical space sensing and security missions
- Orchestrated a successful project internship program, showcasing leadership and mentorship abilities by facilitating task definition, coordinating events, and achieving 3 job conversions for interns

Raytheon Technologies (RTX Corporation)

Tucson, AZ

Software Engineer Intern

June 2020 – April 2021

- Rehosted legacy software onto embedded hardware, converting Ada to C++, resolving Endianness conflicts, and ensuring data structure alignment to preserve system integrity and performance
- Conducted formal qualification testing of custom firmware through hardware-in-the-loop simulation on Linux platforms, ensuring adherence to quality assurance and system reliability standards for operational readiness

SKILLS & INTERESTS

- **Languages:** HTML5, CSS3, JavaScript (ES6+), TypeScript, Python 3.x, SQL (PostgreSQL), C/C++ 11 or newer, Java 8 or newer, C# (.NET)
- **Libraries/Frameworks:** React, Node.js (Express.js, NestJS)
- **Tools:** Git (GitHub, GitLab), Docker, Tableau, Microsoft Power BI, Adobe XD, WordPress
- **Operating Systems:** Linux (Ubuntu), macOS, Windows 10/11
- **Additional Skills:** Unit Testing (Jest, Pytest), RESTful APIs, Agile/Scrum methodologies

EDUCATION

University of Arizona, Honors College

Tucson, AZ

Bachelor of Science in Electrical and Computer Engineering (GPA: 3.7)

May 2021