

GARRETT HAYES

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EDUCATION

Tennessee Technological University
BSE Computer Science • GPA: 3.50

Aug 2021 – Dec 2024
Cookeville, TN

WORK EXPERIENCE

ARCS Aviation - Entry-Level DevOps Engineer

- Serve as Scrum Master for two cross-functional development teams, including Virtual Reality and Augmented Reality teams, facilitating agile ceremonies, sprint planning, and continuous delivery of project milestones.
- Lead quality assurance efforts, managing a team of interns to uphold development standards, streamline testing processes, and ensure the delivery of high-quality software.

Jan 2025 - Present
Cookeville, TN

ARCS Aviation - XR Intern

- Collaborated with a team of Unity developers to optimize quality and performance across multiple VR and XR applications
- Completely revitalized development processes to adhere closely to Agile and Scrum principles including introducing daily stand-ups, sprint planning, and code reviews to create a more streamlined development environment
- Initiated and led discussion about future project considerations and development cycle workflow

Aug 2024 - Dec 2024
Cookeville, TN

TTU Civil Engineering Department - React Developer

- Contributed to the development and ongoing maintenance of a React frontend that interacts with RESTful web services to display testing data to TDEC's Tennessee Nutrient Database site
- Integrated ESRI GIS mapping within a React frontend for data visualization
- Led live website demos for the client, gathered feedback, and collaborated with a team to implement client-driven updates and improvements

Apr 2024 - July 2024
Cookeville, TN

Naval Surface Warfare Center Dahlgren Division - Software Development Intern

- Engaged in scrum processes such as daily stand-ups, code reviews, and other agile tactics
- Worked to develop and refine graphical user interfaces within the scope of a project
- Developed bug fixes for a large legacy .NET code base
- Initiated the process of migrating graphical frameworks of software for cross-platform functionality
- Gained **SECRET LEVEL SECURITY CLEARANCE** through May 2023

May 2023 - Aug 2023
May 2024 - June 2024
Dahlgren, VA

PROJECTS

CPD Portal System - HTML, CSS, JavaScript, Node, Microsoft SQL, AWS

- Spearheading a software engineering team as Team Lead and Scrum Master for the Cookeville Police Department
- Leading the process of revitalizing the purchase order system used to optimize purchase tracking, vendor management, and financial oversight
- Overseeing and managing the design and development of a newly introduced portal system containing sensitive information and tools for Police Department employees

Farm Data Tracker - React, Node, MariaDB, AWS

- Managed the development of a robust web application tailored for farmers, streamlining record-keeping of production, sales, and profitability metrics for enhanced efficiency and informed decision-making in an accelerated timeline of 8 weeks
- Assumed the position of Team Lead and Scrum Master, embracing the responsibility of making pivotal decisions for the development process, including selecting the preferred tech stack, establishing CI/CD pipelines, and determining AWS hosting solutions

YourTour - Flutter, Node.js, AWS, SQLite

- Founder of YourTour, a mobile navigation app that turns any drive into a tour with real-time historical and cultural insights.
- Awards: TTU Idea Challenge 1st Overall and Rural Reimagined Award, TTU Eagle Works 1st Overall Grand Prize Winner, 3rd Overall HackMT Hackathon.

SKILLS

- Web Development: HTML, CSS, JavaScript, React, jQuery, Node, Express, Bootstrap
- Software Development: C#, C++, C, Python, JavaScript, EMCAScript, Java
- Data Analysis/Visualization: R, Chart.js, Python
- Scrum Processes: Stand-Ups, Sprint Planning, Sprint Retrospectives
- Source Control: Git, GitHub, GitLab, GitKraken Certification
- Quality Management: Six Sigma White Belt Certification
- Databases: MySQL, MariaDB, Microsoft SQL, HeidiSQL, SQLite