Jacob Hall

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Sweetwater, TN 37874   LinkedIn   jsamh12@outlook.com   Portfolio Website

(Willing to Relocate)

OBJECTIVE:

To obtain a position that leverages the skills and knowledge I've developed through my bachelor's degree in Computer Science, while providing opportunities to learn, grow, and build a long-term career.

EDUCATION:

- **Tennessee Technological University**   **Cookeville, TN**
  Bachelor of Science – BS, Computer Science   May 2025

  Major GPA: 3.1

- **Roane State Community College**   **Harriman, TN**

  Associates of Science - General   December 2023

COMPUTER SCIENCE EXPERIENCE :

Team/Solo Projects

- Collaborating with a team of senior students in my software engineering class to design and develop a software application for NAVSEA, focusing on building an application to improve time management. Contributing to all stages of the agile software development

lifecycle, including requirements gathering, system design, coding, testing, and deployment. For a little bit of some insight on the coding portion we use python and SQLite for database management. This is still a work in progress but here is the repo with code: https://github.com/jshall42/Jacob-Senior-Project.git

- In Fundamentals of Data Science, I did a project with a group of peers that was to find out whether you could predict problematic internet usage for children and adolescents. Below is the repo with the code and paper we wrote on it (Project_Team_6.pdf): https://github.com/jshall42/Jacob-Senior-Project.git

- I also have started a web development project that is full stack. I started this project to learn how to use React, Typescript, and a cloud-based database because in University I had projects that worked with basic HTML, vanilla JavaScript, SQLite, and some jquery but never got the chance to do one with these technologies that are used daily in industry so I decided I wanted to learn and now have a WIP Peer Review application that will be a fully functional web platform designed to facilitate anonymous, transparent, and meaningful feedback between students and instructors. The application allows instructors to create courses, teams, and review activities, while students can participate in peer reviews and view personalized feedback reports.

   Link to repo: https://github.com/jshall42/Peer_Review_Project

Tennessee Technological University   **Cookeville, TN**

Teaching Assistant (OOP)   July 2024 – December 2024

- Held a leadership role in leading a classroom of students/peers in projects for Object-oriented Programming.

- Managed grading for 30+ students' labs and projects, ensuring timely feedback and maintaining high standards of accuracy.

- Used interpersonal skills to tutor students/peers that had trouble understanding the material while also deepening my understanding of the material.

OTHER EXPERIENCE:

Vestal Manufacturing Enterprises Inc   **Sweetwater, TN**

Floater   July 2025 – Present

- This position allows me to work in multiple departments and contribute to the full lifecycle of a product.
- Work with heavy machinery such as pneumatic presses, forklifts, and industrial welding tools.

United Grocery Outlet   **Sweetwater, TN**

Retail Cashier   January 2021 – December 2023

- Used teamwork, time management, and interpersonal skills to lead and maintain a productive working environment.

DENSO   **Athens, TN**

Logistics   January 2020 – December 2020

- Communicated with management what was needed to be shipped every night- and utilized-time management skill to ensure the products were shipped.

- Maintained the production lines and stocked them with parts ready to be assembled.

SKILLS:

- **Programming Languages**: JavaScript, TypeScript, HTML, C++, Python, Assembly (Armv8, x86), R , C#
- **Tools & Technologies**: SQL, Git, Visual Studios, Bootstrap, Agile, Kanban, Scrum, React, NodeJS (Express)
- **Soft Skills**: Time management, Problem-solving, Attention to detail, Interpersonal skills, Self-motivation, Growth Mindset