





KASE JOHNSON

SOFTWARE ENGINEER

CONTACT

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SKILLS

AWS
Cloud Computing
SQL/Database Management
React
Node.js
Web Development
Networking and Security
Python
Interpersonal communication
Version control (Git)
Java
C / C# / C++
Problem Solving
Software Development Lifecycle
Agile
Azure
REST

EDUCATION

Master of Science in Machine Learning

Tennessee Tech University

January 2023 - December 2024

Cookeville, TN

Bachelor of Science in Computer Science

Tennessee Tech University

August 2019 - December 2022

Cookeville, TN

Minor: Mathematics

PROFILE

I am a highly motivated and innovative Software Engineer with a strong foundation in AI and Machine Learning, currently completing my Master's degree in Computer Science at Tennessee Tech University. With over two years of experience as a Software Engineering Intern at Tennessee Valley Authority, I have honed my skills in React, Java, Python, and web development. I am passionate about technology and problem solving, as demonstrated by my projects in AI-driven 3D printer anomaly detection, web development, and video game plugin development. I am seeking a full-time position where I can contribute my expertise in the development of software, web apps, and/or AI/Machine Learning models.

WORK EXPERIENCE

Software Engineer Intern

Tennessee Valley Authority

2022-Current

- Pioneered the development of a program to utilize a REST API for seamless user management of a vendor app.
- Trained and mentored under multiple teams, including the Cloud migration team, eGIS mapping team, Safety & Security, and Facility Assets, resulting in a well rounded understanding of many different programming languages, apps, and well trained communication.
- Contributed to the creation of a React application to replace a legacy web app the company was decommissioning, increasing security, efficiency, and usability.
- Completed changes and fixes to already existing applications when problems arose from the business side.

Leader

NSA Funded Cloud Security Workshop

July - 2023

- Trained and assisted the members who attended the workshop in the work assigned to them, specifically in using the resources on Amazon Web Services to create and maintain Cloud assets.
- Demonstrated Cloud concepts and their use in the field of computer science, including IAM permissions, Serverless computing, containerization, and so on...

Teaching Assistance - Database Management Systems

Tennessee Technological University

August 2023-Current

- Assisted in course instruction, grading, and testing
- Provided support, mentorship, and tutoring to students in class and during weekly office hours
- Developed and managed course-related databases using SQL

PROJECTS

Throughout my time as a software engineer, I have completed many personal projects to showcase my talents and give a more robust view of what I can achieve. Below are listed some of these projects, all of which the source code can be found on my GitHub, linked.

- Multiple video game plugins and mods, demonstrating my Java familiarity
- Multiple hosted official websites, coded in React.js and Node.js with Vite
- Python scripts and programs for day to day uses

[My Github](#)