

Cole Hicks

(918)-397-4525 | colehicks50@gmail.com | LinkedIn | GitHub
Norman, OK

Experience

Chickasaw Nation — IT Department

Nov 2024 – Present

Intern

- Developed a facility access request monitor project using C#/.NET with REST API integration via ServiceNow and custom logging, automating stalled request resolution
- Engineered SQL stored procedures in MSSMS for 24-hour threshold monitoring, optimizing system performance
- Currently developing Power BI dashboards to analyze customer satisfaction trends and visualize survey response patterns, enhancing reporting capabilities

University of Oklahoma — Department of Energy Joint Project

Jun 2024 – Aug 2024

Summer Intern

- Designed and built methane monitoring devices (PCB soldering, sensor integration) for field deployment
- Programmed autonomous robot in C for environmental data collection and control systems
- Visualized methane data in Tableau dashboards for real-time tracking and analysis

Education

University of Oklahoma

Aug 2021 – May 2025

Bachelor's of Science, Computer Science

GPA: 3.49/4.00

Projects

Automated Request Monitoring System

Spring 2025

Tools: C#, .NET, SQL, ServiceNow API, Encryption

- Architected secure C# application integrating ServiceNow API and SQL stored procedures to monitor and resolve stalled service requests, implementing custom encryption and logging systems
- Developed robust error handling and logging mechanisms to track request processing, ensuring system reliability and maintainability
- Created automated incident creation system that checks for existing tickets and prevents duplicates, optimizing IT workflow efficiency

Autonomous Robotics Development (Summer Internship Project)

Summer 2024

Tools: KIPR Wombat, C Programming, Servo Motors, PID Control

- Created a sensor-integrated autonomous robot for wall detection, navigation, and object tracking
- Automated real-time tasks, including object recognition and precise movement control

Skills

- **Programming:** C#, .NET, C, C++, Python, Java, JavaScript, HTML/CSS
- **Tools & Technologies:** REST APIs, ServiceNow, Git, GitHub, Vue.JS, Next.JS, React.JS, VSCode
- **Database & Analytics:** SQL, SQL Server

Honors & Activities

- President's Honor Roll (Fall 2024); Dean's Honor Roll & Academic Scholarship (2021 – Current)
- Treasurer, Student Association for Computing Machinery (Fall 2024 – Current)
- Web Master, Student Association for Computing Machinery (Fall 2023 – Spring 2024)
- Member, Oklahoma Weather Lab's Hub of Operational Technology (2023 – 2024)