

Cole Hicks

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 [Cole Hicks](#) |  [cth3x](#)

Norman, OK

OBJECTIVE

Motivated Computer Science undergraduate seeking internship to apply skills in a challenging and innovative software development role. Experience working with Java, C, C++, HTML, CSS, JavaScript, and Python. Passionate about problem-solving and creating progressive solutions for complex problems.

EXPERIENCE

- University of Oklahoma | Department of Energy Joint Project** June 2024 - August 2024
Summer Intern Norman, OK
 - Conducted research on methane gas monitoring to support ongoing projects at the University of Oklahoma.
 - Developed and trained a robot using C programming.
 - Analyzed data and generated visualizations using tools like Tableau and Google Colab to assist in research reporting and decision-making.

EDUCATION

- University of Oklahoma** Aug. 2021 - May 2025
Bachelor's of Science, Computer Science Norman, OK
 - GPA: 3.43/4.00

PROJECTS

- Autonomous Robotics Development [Summer Internship Project]** Summer 2024
Tools: KIPR Wombat, C Programming, Servo Motors, Camera, PID Control
 - Developed an autonomous system to detect walls, navigate using cliff sensors, and interact with objects using servos and a camera-based object tracking system.
 - Implemented algorithms for wall detection, line-following, and object recognition using sensors and PID control for smooth robot movement.
 - Automated tasks such as dumping ping-pong balls into buckets and tracking colored objects, showcasing advanced sensor integration and real-time decision-making.
- Gadget Grammar [Software Engineering Course Project]** Fall 2023
Tools: [HTML, CSS, Vue.js, Supabase]
 - Designed and developed a word game inspired by the New York Times' Wordle, enhancing user engagement with a streak feature that tracks consecutive wins.
 - Built a backend using Supabase to manage real-time user data, including game progress and streak history.
 - Implemented user authentication, allowing players to sign in, track their performance, and retain game data across sessions.

SKILLS

- Programming Languages:** C, C++, Python, Java, HTML, CSS
- Web Technologies:** Vue.js, Bootstrap
- Database Systems:** SQL, MySQL
- DevOps & Version Control:** Git, Linux
- Development Tools:** VSCode, Eclipse, IntelliJ

HONORS AND AWARDS

- Dean's Honor Roll** Fall 2022 - Current
University of Oklahoma
- Academic Scholarship** August 2021 - Current
University of Oklahoma
- Chickasaw Nation Scholarship** August 2021 - Current
Chickasaw Nation

ACTIVITIES

- Student Association for Computing Machinery** Fall 2024 - Current
Treasurer
- Student Association for Computing Machinery** Fall 2023 - Spring 2024
Web Master
- Oklahoma Weather Lab's Hub of Operational Technology** Fall 2023 - Spring 2024
Member