

# Clint Stapleton

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## EDUCATION

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**Rogers State University | Claremore, OK**

**B.S. in Artificial Intelligence | GPA: 3.88/4.0**

**May 2027**

**Relevant Courses:** Data Structures, Java Programming 1, Java Programming 2, Python Programming, Artificial Intelligence, CyberSecurity

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, HTML, CSS, JavaScript, SQL, C#, C++

**Technical Tools:** AWS, Postman, Git, Docker, Supabase, PowerBI, Azure, Jira

**Libraries/Frameworks:** Spring Boot, ReactJS, Next.js, Node.js, PostgreSQL, VueJS, Flask

## RELEVANT EXPERIENCE

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**Software Engineering Intern | Opsylux | Seattle, Washington**

**October 2025 - Present**

- Collaborate with the development team to **redesign and modernize the user interface**
- **Implement responsive front-end designs** using React and TypeScript to ensure cross-device compatibility.
- **Implement and maintain Django-based back-end functionality**, including RESTful APIs, authentication, and database models.

**Undergraduate Researcher | Rogers State University | Claremore, Oklahoma**

**August 2025 - November 2025**

- Develop **AI-powered tutoring tools** designed to improve learning and retention for over **3,000 students**.
- Assist in building and testing early prototypes of the tutoring system, gaining extensive hands-on experience with **AI implementation**, educational technology development, and the full cycle of creating effective learning tools.

**Help Desk Technician | Rogers State University | Claremore, Oklahoma**

**January 2025 - August 2025**

- Provided **IT support** for students, faculty, and staff across **three campuses** by troubleshooting **hardware, software, and network** issues while assisting with system maintenance and ensuring smooth daily operations.
- Utilized **Jira** to manage support tickets, monitor progress, and document resolutions, gaining hands-on experience with **agile project management tools** and workflows.

## PROJECTS

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**Track Predictor | Track Athlete Performance Predictor | [Demo](#)**

**November 2025**

- **Developed a full-stack predictive analytics platform** for track & field by building a **Flask REST API**, integrating **scikit-learn machine learning models**, implementing automated **Selenium** and **BeautifulSoup web scraping** pipelines with **multi-threaded ETL**, and deploying **Docker-containerized services** orchestrated with **docker-compose** to **Render** and **Vercel**, while applying **data privacy best practices**, **environment variable-based secret management**, **input validation**, and **static security analysis** for over **100 monthly users**.

**TrafficGuardAI | [Source Code](#)**

**July 2025**

- **Full-stack application** using **FastAPI**, **React**, and **Hugging Face's DETR** to detect hazards from video feeds, providing annotated frames, rich metadata, and a modern dashboard with extensible, developer-friendly architecture.
- Implemented real-time processing and alerting, improving hazard detection efficiency by up to **30%**.

## EXTRACURRICULAR EXPERIENCE

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- **President of RSU Coding Club**
- **Honors College Full Ride Recipient**
- **NCAA D2 Track & Cross Country Athlete**