

# Jalen Johnson

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## Education

Georgia State University, Atlanta, GA

August 2024 - May 2028

**Bachelor's of Science, Physics, Minor, Computer Science**

Concentration: Applied Physics - Electrical Engineering

Awards: Stamps & Presidential Scholar, Annie B. & Edward D. Scholar

Activities: Math & Statistics Club, Programming Club, Society of Physics Students @ GSU

## Work Experiences

Conti's Incredible Connection

October 2018 - Present

Lead Tutor

Atlanta, GA

- Tutored a diverse range of 40-50 students (K5-College Freshman), including special education students, in various subjects, and coached excelling students in mathematics to advance their knowledge beyond their grade level.
- Assisted in hiring, mentoring, and scheduling new tutors, while implementing innovative study programs to enhance students' learning and memorization techniques.
- Improved workplace efficiency and enjoyment by collaborating on visual, furniture, and color enhancements, and maintained a clean and organized environment.

Headstarter AI

July 2024 - Present

Software Engineering Fellow

Remote

- Building 5+ AI apps and API's using NextJS, OpenAI, Pinecone, StripeAPI, with 98% accuracy as seen by 1000 users.
- Developing projects from design to development leading 4+ engineering fellows using MVC design patterns.
- Receiving coaching by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git and microservice.

O/REZ (Occupational & Recreational Executing of Zygotes) Labs

July 2024 - Present

CEO & Lead Researcher

Atlanta, GA

- Applying technology, engineering principles, and custom-built materials to develop diverse projects in Electrical Engineering, Cybersecurity, and AI, demonstrating innovation and technical proficiency.
- Designed and implemented a comprehensive landing page, operational laboratory, and integrated system to streamline company processes and enhance user engagement.

## Projects

Portfolio Website (\*Inset website)

July 2024 - Present

- Developed an AI-driven portfolio to showcase my skills, integrating advanced programming techniques and prompt engineering through Cursor and OpenAI.
- Transforming this project into a versatile template that others can easily customize and use to build their own professional portfolios.

Project Huckleberry

July 2024 - Present

- Utilizing a Raspberry Pi 5, developing various technical, cybersecurity, IT, and AI-based projects.
- Included in these projects are the development of Private Cloud Storage, Self-Hosting a Website, implementing a Decoy Server, and a Pentesting Lab, showcasing versatile applications of the Raspberry Pi 5.

Project Hummingbird

July 2024 - Present

- Prototyping a device that enables teachers in deaf schools to call students to attention through vibration signaling, enhancing communication and classroom management.

Project Nikola

July 2024 - Present

- Prototyping and theorizing a recreation of Nikola Tesla's Tesla coil for power transfer, exploring its potential for novel and innovative applications.

Portfolio Website

July 2024 - Present

- Prototyping and Designing a novel message encryption method inspired by historical encryption devices, including the Enigma Machine. This project focuses on creating a secure, complex, open-source, encryption algorithm to enhance data protection and privacy.

## Skills

**Programming Languages:** Python (Developing Proficiency), HTML (Developing Proficiency), CSS (Developing Proficiency)

**Certifications:** Stanford's Code in Place Completion Certificate, AT&T 2024 Technology Academy Completion Certificate

**Soft Skills:** Collaborative Problem-solving, Detail-oriented, Communication, Project Management, Adaptability

**Hard Skills:** Prompt Engineering, Prototyping & Product Development, IT Applications