

# Matthew Harris

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## EDUCATION

### Tennessee State University

Expected Graduation: **May 2026**

Bachelors of Science in Computer Science, **GPA: 3.87**

**Relevant Coursework** : Discrete Math, Calculus I & II, Computer Programming I & II, Data Structures, Software Engineering

## SKILLS

**Languages** Proficient: JavaScript · Java · HTML · Intermediate: Python

**Software** React · Typescript · Microsoft Office (PowerPoint, Word, Excel) · Jira · Jupyter Notebook · Google Colab · Mathematica · Git · GitHub

**Certifications** Stanford University's Fundamentals of Data Science, Precision Medicine, and Cloud Computing Certification, AT&T Technology Academy Certification

**Creative** Public Speaking · Interpersonal Communication · Leadership · Teamwork · Mentoring

## EXPERIENCE

### HEADSTARTER AI

SOFTWARE ENGINEERING FELLOW

Remote  
**Present**

- Building 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI, aiming for high accuracy and performance
- Developing projects from design to deployment leading 4+ engineering fellows using MVC design platforms
- Being coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git and micro-service platforms

### LOWE'S COMPANIES, INC.

SOFTWARE ENGINEER

Charlotte, NC

**May 2024 - Present**

- Aiding in the creation of the launchpad website which is a professional development platform for early careers in Lowe's corporate space
- Serving as the current Scrum master and team member for my software team in an agile environment, facilitating daily standup meetings
- Developing skills in web development manufacturing comprehensive software and testing using Cypress

### TENNESSEE STATE UNIVERSITY

RESEARCH ASSISTANT, DATA SCIENCE LAB

Nashville, TN

**Oct 2023 - Dec 2023**

- Contributed to health informatics research focused on applying machine learning techniques to enhance electronic health records data utility
- Ensured efficient data management and retrieval for ongoing research using the All of Us Workbench database
- Conducted in-depth research and analysis of healthcare data and literature, optimizing data manipulation strategies

### FERMILAB/BROOKHAVEN NATIONAL LABORATORY

RESEARCH INTERN

Batavia, IL/Upton, NY  
**July 2023 - Aug 2023**

- Gained proficiency in Python, applying AI/Machine Learning techniques to Particle Physics data
- Obtained exposure to quantum computing principles and algorithms using IBM's Qiskit, taught by industry experts and renowned scientists
- Engaged in specialized workshops on quantum physics, applying its principles to real-world challenges

## HACKATHONS

### JPMorgan Chase & Co. Data for Good Hackathon | [Linkedin Post](#)

**April 2024**

- Collaborated in a 24-hour hackathon to expand the reach of the nonprofit Ordinarie Heroes into a new neighborhood
- Analyzed large scale datasets using exploratory data analysis & visualization techniques to identify key insights, increasing impact efficiency through data-driven decision making

### Bank Of America Code-A-Thon

**Nov 2023**

- Developed a user-friendly website to streamline student access to scholarships offered by our institution, enhancing the application process and increasing scholarship utilization

## ACTIVITIES / AWARDS

Lowe's Corporate Scholar **2024**

Association for Computing Machinery **2024**

TMCF CEO Impact Speaker **2024**

Executive Board Member

10-min keynote on my TMCF experience

Color Stack **2024**

National Society of Black Engineers **2024**

The Collegiate 100 Black Men Of America, Inc. **2024**

General Member

General Member

Education Committee - Chair

TMCF Boeing Immersion Scholar **2024**

Tennessee State University's Honors College **2024**

Tiger Pal Mentor **2024**

BUILD Institute **2023**

Mister BUILD