

Antoine Edwards

edwardsantoine333@gmail.com | (470) 695-2148 | <https://www.linkedin.com/in/antoine-edwards-036419280/>

EDUCATION

Bachelor of Science in Computer Science
Alabama State University, Montgomery, AL

Expected Graduation Date: May 2027
Cumulative GPA: 3.9

TECHNICAL SKILLS

Languages: Python, C++, HTML, CSS, JavaScript, SQL

Frameworks/Tools: React, Next.js, Flask, Git, Material UI, Firebase, RESTful API, TensorFlow, Adobe Creative Cloud

EXPERIENCE

Mathematical Association of America

Montgomery, AL

Math and Machine Learning Researcher

May 2024-August 2024

- Engineered solutions to enhance large language models using **back-propagation**, **gradient descent**, and **propositional logic** with neural networks, resulting in **improved accuracy**.
- Employed **Google Vertex** and **Google Co-Lab** to train a machine learning model for detecting and identifying animal species in images and videos.
- Developed three-dimensional graphs for graphical analysis using **Python**.
- Collaborated with a research team to explore applications of the Hermite-Hadamard Theorem of inequalities by composing mathematical proofs.

Iconic Design Studios

Remote

Graphic and Web Designer

July 2022-August 2023

- Collaborated with team members to design and manage Iconic Design Studio's website using **HTML**, **CSS**, **JavaScript** and **React**, enhancing operational efficiency and driving sales growth.
- Developed and executed social media campaigns, crafting posts to effectively promote and market Iconic Design Studios.
- Partnered with team members to develop and maintain an **online ordering website** for Iconic Design Studios, transitioning from social media-based orders to **streamline processes** and **boost sales**.
- Implemented **user-centric features** to enhance engagement and improve overall user experience

Black Enterprise & American Airlines SMART Hackathon

Charlotte, NC

Hackathon

November 2024

- Collaborated with team members to create "PackSafe", an application that leverages AI to scan luggage items and notify travelers if those items are permitted on a plane according to TSA guidelines.
- Utilized **Vision AI** to detect and label items and **HTML**, **React** and **Sass** to create a responsive user interface.

PROJECTS

FitFinder - AI Powered Outfit Finding App | *Python, Flask, Google Cloud Vision AI, OpenAI Vision*

[GitHub](#)

- Developing FitFinder, a web app that uses **Cloud Vision AI** to automatically identify clothing items in images, which then uses **Google Reverse Image API** to find outfits which have that clothing item.
- Utilizes **Python** to initiate the API's and **Flask** to create a web application with a user-friendly interface.

Pantry and Inventory Tracker | *Next.js, Material UI, Firebase*

[GitHub](#)

- Developed a web application to track, add and update inventory items.
- Utilized **Next.js** and **Material UI** for frontend components and **Firebase** backend for data storage.

CERTIFICATIONS

- Responsive Web Design (HTML, CSS)** – freeCodeCamp
- Python** – Kaggle

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

HBCU Battle of the Brains (2025); **National Society of Black Engineers** (2024-present); **TMCF Scholar**; **W.E.B. Du Bois Honors Program: Graphic and Web Designer** (2024-present); **Google Developer's Club** (2023-present); **Passport to College: Marketing Assistant** (2023-present); **UNDP Youth Ambassador** (2022); **Alabama State University Men's Soccer Team** (2023);

HONORS

Presidential Scholar at Alabama State University; Dean's List Award Recipient (2023,2024); W.E.B. Dubois Honors College Student at Alabama State University; SAC Education Trust Fund Scholarship Recipient (2016-2021); Passport to College Scholar (2023-present);