

# NATHAN AYELE

11 Ryerson Avenue, Caldwell, NJ | P: (862) 348 - 9274 | [nathantaye@gmail.com](mailto:nathantaye@gmail.com) | [Linkedin](#) | [GitHub](#)

## EDUCATION

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**CALDWELL UNIVERSITY** - Caldwell, NJ

Expected May 2025

Bachelor of Science in Computer Science, Honors Program, GPA: 3.94/4.0

Relevant Coursework: Programming I & II, Data Structures, Design & Analysis of Algorithms, Artificial Intelligence and Machine Learning, UI/UX and Human-Computer Interaction, Operating Systems

## TECHNICAL SKILLS

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**Languages:** Java, Python, JavaScript, HTML/CSS, C#

**Tools & Frameworks:** JavaFX, NumPy, TensorFlow, Jupyter Notebook, Matplotlib, Scikit-learn, Git, Visual Studio Code, Eclipse, WordPress, Figma

## PERSONAL PROJECTS

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### PERSONAL BUDGETING APP

Java | [GitHub Link](#)

- Designed and developed a personal budgeting app using Java and JavaFX, allowing users to easily manage their finances and track their expenses. The various features in the app include budget tracking, expense categorization, and real-time visualization of spending patterns.

### PERSONAL WEBSITE

HTML/CSS/JavaScript | [Link](#)

- Designed and developed a personal website showcasing my skills, projects, and experiences, and also providing a comprehensive platform for aspiring students applying for college and potential employers and collaborators to learn more about me and my process.

## WORK/RESEARCH EXPERIENCE

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### WEBSITE DEVELOPMENT

Caldwell, NJ

Digital Content and Communications | Caldwell University

Aug 2022 – Present

- Maintaining the University Website ([www.caldwell.edu](http://www.caldwell.edu)) using Word Press, HTML/CSS, and JavaScript.
- Creating the web layout, publishing news articles and events on the website, and manipulating images and graphics.
- Acting as a focal point for incoming web requests and making decisions on appropriate actions to be taken.

### RESEARCH ASSISTANT

Caldwell, NJ

CogAI Lab | Caldwell University

May 2022 – Present

- Working on the design and development of a touch-based web-app IDE, an alternative to text-based coding.
- Researched and presented the cognitive architecture SOAR's implication on the future of Artificial General Intelligence.
- Submitted a Research Abstract to present at the Caldwell Research and Arts Exhibition.

### RESIDENT ASSISTANT

Caldwell, NJ

Residence Life | Caldwell University

Aug 2022 – Present

- Ensuring the safety of residents and the building by managing crisis situations, and completing incident reports.
- Creating and managing social, educational, and safety awareness programs to facilitate social and personal adjustment for around 300 residents.

### PEER TUTOR

Caldwell, NJ

Academic Success Center | Caldwell University

Apr 2022 – Jun 2022

- Tutored students in undergraduate level Computer Programming and Calculus courses.

## PROFESSIONAL DEVELOPMENT

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**ERNEST and YOUNG** | Expedition EY Member | Jan 2022 – June 2022

New York, NY

**COLOR STACK** | Member | Mar 2022 – Present

New York, NY

**CIRCLE K INTERNATIONAL** | Secretary - Caldwell Chapter | Apr 2022 – Present

Caldwell, NJ

**AFRICAN STUDENT ASSOCIATION** | Secretary | Mar 2022 – Present

Caldwell, NJ

**HONORS/AWARDS:** Caldwell Presidential Scholar, Dean's List (all semesters), Freshman Recognition Award