

Zachary Derival

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EDUCATION

Kennesaw State University

Marietta, GA

Bachelor of Science in Software Engineering

Cumulative GPA: 3.67

Graduation Date: 05/2028

SKILLS

Programming Languages: Python (Beginner), Java (Beginner)

Technologies: Pycharm, IntelliJ IDEA

Relevant Coursework: Programming Problem Solving I, Programming Problem Solving II, Discrete Structures

Awards: Hope Scholarship, Dean's List x 2

PROJECTS

Maze Runner | Python

October 2024 - December 2024

- Co-developed Maze Runner, a Python-based maze-solving game using Pygame, featuring dynamic maze generation, keyboard controls, and time-based objectives
- Implemented game mechanics, including win/lose conditions, exit menu, and integrated background music and sound effects
- Designed a pause menu system, which, while not included in the final build due to functionality issues
- The project selected as one of the top games (1 of 24 groups, 115 students) to be showcased publicly
- [Project Link \(GitHub\)](#)

WhatsNew? | Python

June 2025 - Present

- Developing a Python-based news management application allowing users to create accounts, log in, and manage personalized profiles.
- Implemented secure user authentication with username/email and password validation, including age and password requirements.
- Designed a user profile system storing preferences, saved articles, and personal settings using object-oriented programming.
- Applied data validation and error handling to ensure inputs such as date of birth, email, and password meet requirements.
- [WhatsNew - Python](#)

EXPERIENCE

Publix Produce Clerk

January 2024 - Present

- Ensure accurate labeling, rotation, and quality control of all produce displays to meet health and safety standards.
- Manage multiple tasks during peak hours, including restocking, assisting customers, and maintaining presentation.
- Communicate clearly with team members and customers to coordinate restocking and respond to inquiries.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Member at ColorStack at Kennesaw State University

August 2024 - Present

Kennesaw State University | Marietta, GA

- Member of a community for Black and Latinx CS students, focused on increasing representation in tech through access to academic resources and career development opportunities
- Engaged in peer networking, mentorship, and skill-building initiatives aimed at empowering underrepresented groups in computer science
- Participated in events and workshops designed to bridge the gap between education and careers in technology industries

Member at Caribbean Student Association at Kennesaw State University

August 2024 - Present

Kennesaw State University | Kennesaw, GA

- Active member of a West Indian cultural organization at Kennesaw State University, promoting awareness and appreciation of West Indian heritage
- Supported initiatives to highlight West Indian culture, politics, and history through educational programming, events, and community service
- Contributed to fostering cultural diversity and inclusion on campus by organizing and participating in culturally enriching experiences