

# Chase R. Barclay

Apt 100N, 100 Phoenix Lane, Kennesaw, GA, 30144 | 6784815473 | chaser.barclay@gmail.com | Permanent Resident

## Objective

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Enthusiastic Computer Engineer, passionate about learning new skills and thinking outside the box to tackle new problems, from learning new programming languages to learning how to navigate a new country and culture after moving from South Africa to the United States in 2021. Brings together engineering hard skills with soft skills including leadership, and strong communication. Well-grounded in strong values of professionalism, work ethic, and integrity. Passionate about sustainability, computer hardware, and emerging architecture as well as robotics and autonomous systems. Seeking an internship for Summer 2024.

## Education

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### Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Computer Engineering

January 2024 – Present

Expected Graduation, May 2026

### Kennesaw State University | Kennesaw, GA

August 2021 – December 2023

- Transfer with 73 Credit Hours.
- President's List for 3 consecutive semesters.

## Skills

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**Programming:** Java, Python, C++, SQL, MATLAB

**Hardware:** Raspberry Pi, Oscilloscope

**Software:** Autodesk Fusion360, Microsoft Office360 Suite

**Communication:** Presentations (large and small audiences), Research Papers

**Languages:** English, Afrikaans, Zulu

**Interests:** Computer Hardware and Architecture, Robotics and Autonomous Systems, Digital Logic Design

## Experience

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### Kennesaw State University | Kennesaw, GA

December 2022 – August 2023

#### Research Assistant

- Engaged in research, development, and implementation of code within 50+ Raspberry Pis, aiding in research methodologies.
- Specialized in investigating potential interference between Wi-Fi 6e and Wi-Fi 5 on the 5.9 GHz frequency, crucial for connected vehicle communication.

### Ryonic Robotics | Johannesburg, South Africa

July 2017

#### Intern

- Executed the precision task of soldering circuits and debugging C++ programs instrumental in the control systems for robotic applications.
- Collaborated seamlessly within a multidisciplinary engineering team to orchestrate the construction and integration of robotic technologies.

## Relevant Coursework

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**Fundamentals of Digital System Design:** Computer system and digital design principles. Switch and gate design, Boolean algebra, number systems, arithmetic, storage elements, data paths, memory organization.

## Leadership

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### Alpha Epsilon Pi Fraternity | Chapter President, Gamma Pi Colony

December 2022 – December 2023

- Led chapter by providing strategic direction, directing safety efforts and policy enforcement, and managing the full executive board.
- Served as liaison and representative to fraternity international headquarters and the local community.

### Hillel | Vice President

December 2022 – December 2023

- Helped foster a strong and vibrant Jewish community at a large school with a very small Jewish community.
- Guided students to connect with and learn about Judaism in a positive and meaningful way.