

## EDUCATION

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**Emory University Dual Degree with Georgia Institute of Technology** **Atlanta, GA**  
*Computer Science (BS) & Computer Engineering (BEng)*, GPA: 3.9/4.0 May 2027

Dean's List Fall 2023

**Relevant Courses:** Data Structures & Algorithms, Foundations of Computer Science, Introduction to Computer Science I & II, Physics for Scientists and Engineers I, II, Calculus I, II, III, Linear Algebra, Differential Equations

**Development Technologies:** Java, Python, JavaScript, HTML, ReactJS, Tailwind CSS

## WORK EXPERIENCE

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**Cure AI Software Intern** Sept. 2024 - Present

- Developed a referral code feature for Cure AI's platform, enabling unique referral code generation upon user signup
- Created a PostgreSQL Referrals table to securely manage user referrals, using hashing to produce unique codes
- Redesigned Settings page using ReactJS and Tailwind CSS

**Emory University Physics Department Internship** (Prof Vladimir Benalcazar) May 2024 - Aug. 2024

- Developed Mathematica and Python tools to explore topological properties of condensed matter in one-dimensional and two-dimensional lattices, specifically investigating non-Hermitian systems
- Designed and implemented a Mathematica workflow demonstrating the relationship between the Winding number and the hopping order of electrons with greater applicability than previous approaches

**Emory University, Emory Data Science Club** Feb. 2024 - Present

- Engineered and built AI powered learning tool for Dr. Skye Comstra in Emory's Biology Department
- Created LLM powered knowledge graph to display information and learning objectives interactively
- Developed an interactive front-end for Emory Biology students to study material

**Ara Partners Private Equity Internship (Houston, TX)** Jun. 2021 - Aug. 2021

- Conducted extensive research for prospective carbon neutral companies to acquire
- Leveraged public databases and used data modeling to qualify candidates

## LEADERSHIP & COMMUNITY INVOLVEMENT

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**Emory Reads Tutoring - Tutor** Aug. 2023 - Feb. 2024

- Member of volunteer organization at Emory pairing students with Atlanta Elementary schools to raise literacy and math comprehension
- Tutored Elementary school children at BAMO Academy in Atlanta, Georgia every week over full semester

**Emory Robotics - Team Member** Aug. 2023 - Present

- Design and build two separate robots for VEX U Robotics Competition
- Lead of mechanical subteam for intake/end-effector and work on programming robot

**Boy Scout Troop 211- Senior Patrol Leader** Mar. 2020 - May 2021

- Led and managed troop of over 90 scouts, planning and leading weekly meetings and monthly campouts

## ADDITIONAL INFORMATION

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**SAT score: 1570**

**Other Activities:** Sigma Chi Fraternity, Emory IM Soccer, Emory Francophone Club, High School Varsity Soccer, High School Student Ambassadors Executive Board

**Honors & Awards:** Eagle Scout (2023), National Honor Society (2020-23), National Merit Letter of Commendation (2022)

**Skills:** French (Fluent); Proficient in Java, Python; Proficient in MS Office;

**Interests:** Soccer, Travel, Cycling, Camping, Weightlifting, Lacrosse, House Music