

## Zachary Elis

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### Education

**Georgia Institute of Technology**, Atlanta, GA

**August 2021 - Present**

- Bachelor of Science in Computer Science
  - Threads: Intelligence and People
- Overall GPA: 3.85/4.0, Major GPA: 4.0/4.0 (Faculty Honors and Dean's List Academic Achievement Award)
- Expected Graduation: May 2025

### Skills

**Technologies:** Bootstrap, Git, JUnit, MSTest, React.js, WPF, .NET

**Programming Languages:** C, C#, CSS, HTML, Java, JavaScript, Kotlin, MATLAB, Python, XAML

### Experience

**Georgia Tech Research Institute**

**August 2023 - December 2023**

*SWE Intern; Aerospace, Transportation, and Advanced Systems Laboratory (ATAS): Systems Development Division*

- Developed software for a Department of Defense contract utilizing a Model-View-ViewModel software design pattern to fully integrate numerous software modules layered on top of one another through a dependency injection framework using C#, XAML, .NET, and WPF
- Collaboratively developed NuGet libraries to allow the reuse of code throughout multiple projects in ATAS
- Ensured robustness and accuracy of code through test-driven development following the MSTest framework
- Implemented networking practices to allow the sending and receiving of data between simulators using unicast, broadcast, and multicast communication types- including UDP and TCP transmission protocols

**Runway**

**May 2023 - August 2023**

*SWE Intern*

- Helped develop and improve full stack website that utilizes Java Spring Boot, React.js, and AWS S3//EC2
- Coordinated with UI/UX designers utilizing Figma to create friendly interfaces and intuitive interactions through the use of JavaScript, CSS, and HTML
- Troubleshoot and debugged applications to optimize product performance

**Georgia Institute of Technology College of Computing**

**December 2022 - December 2023**

*Teaching Assistant; CS 2050: Discrete Math CS*

- Collaborated with 4 professors and 31 TAs to serve a course consisting of over 850 students
- Tutored students in computer science concepts, created and graded homework assignments and exams
- Planned and led a weekly recitation of 50 students to foster a deeper understanding of the course

**Georgia Institute of Technology Mastering Android Development**

**August 2022 - Present**

- Actively participate in weekly meetings and contribute to project initiatives
- Develop functional applications utilizing Android Studio and Kotlin

### Leadership

**Fraternity Executive Council**

**November 2021 - Present**

*Chapter Marshal*

- Member of a 9-member council to manage a fraternity of 85 active members
- Meet weekly to collaborate with the council in conducting the business of the chapter
- Coordinate and lead chapter special events monthly

**Sidechat**

**June 2022 - October 2022**

*Team Lead*

- Led a group of 14 members in outreaching to organizations on Georgia Tech's campus to form partners with the app to promote its launch
- Developed a step-by-step process for facilitating the creation of group partnerships and produced templates for team members to communicate with organization representatives