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   *(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, XAML

Experience

Georgia Tech Research Institute   **August 2023 - December 2023**
SWE Intern; Aerospace, Transportation, and Advanced Systems Laboratory (ATAS): Systems Development Division
- Utilize 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 develop NuGet libraries to allow the reuse of code throughout multiple projects in ATAS
- Ensure robustness and accuracy of code through test-driven development following the MSTest framework
- Implement 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/DynamoDB/EC2
- Coordinated with UI/UX designers utilizing Figma to create friendly interfaces and intuitive interactions
- Troubleshoot and debugged applications to optimize product performance

Georgia Institute of Technology College of Computing   **December 2022 - Present**
Teaching Assistant; CS 2050: Discrete Math CS
- Collaborate with 4 professors and 31 TAs to serve a course consisting of over 850 students
- Tutor students in computer science concepts, create and grade homework assignments and exams
- Plan and lead 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 programming

Leadership

Fraternity Executive Council   **November 2021 - Present**
Chapter Marshal
- Member of a 9-member council to manage a fraternity of 80 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