**SPENCER REDELMAN**

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**EDUCATION**

**Georgia Institute of Technology** Atlanta, GA

*Bachelor of Science in Computer Science Aug 2020 – Present*

* Concentrations in Information Internetworks and Computer Science Theory | Minor in Mathematics
* Cybersecurity Software Engineer Co-op, Georgia Tech Research Institute Jan 2022 – Aug 2023
* Dean’s List | GPA: 3.3 | Explore Living Learning Community
* Relevant Coursework: Algorithm Design, Networking, Data and Network Security, Quantum Computing and Information, Database Systems, Data Structures and Algorithms

**WORK EXPERIENCE**

**GlucoSense** Atlanta, GA

*Front-end Software Engineer July 2023 – Present*

* Create-X Startup launched spring of 2023 and aimed at providing a predictive ML model for insulin levels and insulin volatility
* Primary role included the creation and design of a web app to present to investors and notable Georgia Tech alumni
* Utilized React, npm, and redux to manage web app packages and app-wide states by employing Storybook and MaterialUI to create a user-friendly and accessible preview of web app components and an easy testing platform

**Georgia Tech Research Institute** Atlanta, GA

*Cybersecurity Software Engineer Co-op Jan 2022 – Aug 2023*

* Integrated member of full-time Software Engineers to develop a file management and messaging app for the US Air Force
* Experienced in Angular to create and test new pages within the app, working with the internal testing team to work out complications and understand the software testing cycle.
* Utilized software such as SonarQube and Checkstyle when updating Angular (from 8 to 16) to query code banks for potential security vulnerabilities, improper memory management, code smells, and changed syntax to avoid major app downtime.
* Notable achievement: *Brought the number of vulnerabilities from ~500 to 30 over a month, aiding in the project receiving a multimillion-dollar contract extension*

**LEADERSHIP**

**Sigma Nu Fraternity Gamma Alpha Chapter** Atlanta, GA

*Vice President Nov 2022 – Present*

* Coordinated all 7 in-house committees, ensuring smooth operations and domestic conflicts resolution as they arise
* Head the in-house judicial review system for any violations of bylaws and/or internal disputes
* Organize annual report sent to Nationals relating to chapter operations, expenses, campus involvement, recruitment, brotherhood development, and chapter academics
* Led 70-member chapter to first “Rock Chapter” award in 5 years as one of the top chapters in the country at the biannual Grand Chapter. Rock Chapter is defined as maintaining an average rating of excellence in all reported categories.

*Recruitment Chair Nov 2021 – Nov 2022*

* Organized events with on-campus organizations that increased brotherhood involvement on campus and assisted with planning philanthropy events that benefited our in-house mental health fundraising organization (Andrew Collins Project)

*Brotherhood Development Chair Jan 2021 – Nov 2021*

**PROJECTS**

*CS 2340 (Software Design) Mock Software Development Aug 2021 – Dec 2021*

* Worked with graduate business students to create and present software, utilizing requirements set by our client (professor) and various Domain Class, Sequence, and Robustness Diagrams to show our app’s functionality

*Georgia Tech VIP – Cybersecurity Embedded Systems Reverse Engineering Aug 2023 – Present*

* Joined a faculty-led project aimed at reverse engineering a WYZE Camera to plant spoofed RF packets

**SKILLS / Affiliations**

**Languages**

Proficient: Java, TypeScript, C, JavaScript

Experienced: GA, XCSS, SASS, SQL, Assembly

**Software:** Git, MySQL, SonarQube, Node.JS, npm, React.JS, Angular.JS, Storybook, Figma, Jira, BitBucket, GitLab, GitHub, Linux, Docker, GHIDRA, REST, WireShark