

SPENCER REDELMAN

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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science

Atlanta, GA

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

Front-end Software Engineer

Atlanta, GA

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

Cybersecurity Software Engineer Co-op

Atlanta, GA

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

Vice President

Atlanta, GA

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