

# Dylan Sheehan

San Antonio, TX 78251 • [dylansheehan493@gmail.com](mailto:dylansheehan493@gmail.com) • (708) 205-9618

[linkedin.com/in/dylsheehan](https://www.linkedin.com/in/dylsheehan) • [github.com/dsheehan2](https://github.com/dsheehan2)

## EDUCATION

**Johns Hopkins University**, Baltimore, Maryland  
*Masters of Science in Computer Science*

*Aug. 2023 – Present*

**Texas Tech University**, Lubbock, Texas  
*Bachelor of Science in Computer Science, Minor in Mathematics*

*Aug. 2019 – May 2023*

**GPA: 3.98**

## EXPERIENCE

**Software Engineer**, San Antonio, Texas  
*Department of Defense (TS/SCI - Poly) - Full Time*

*July 2023 – Present*

- Developed and deployed a Web Application in K8s using Angular AG-Grid, Java Spring Boot, and Docker that streamlines statistics for data analysts to query and filter metadata.
- Produced a HDFS/Accumulo Parser that periodically scans files using HDFS Java API, grabs and edits certain data points, then tokenizes them into separate files to be referenced in Accumulo tables for other developers.
- Created and managed a new Gitlab CI/CD pipeline for an ongoing team project that runs unit tests in JUnit 5 and Mockito, and ensures PRs/MRs don't affect expected results by using HDFS mini clusters.
- Modernized old Bash and Python implementations to use up-to-date Java processes and APIs to relieve problems during firefighting on tests and production systems.

**Information Security Analyst**, Lubbock, Texas  
*Golden Spread Electric Coop - Internship*

*July 2022 – Dec. 2022*

- Analyzed JavaScript malware for possible injections by creating 2 Python web scrapers with Scrapy.
- Implemented KQL search queries to filter and locate suspicious user events on applications that produce indicators of compromise.
- Developed over 20 pie charts and scatter plots using matplotlib to store records of threat analysis trends of Log4j v2 attempts on the firewall of multiple company and client-server locations.
- Utilized AlienVault, Nucleus, and MS365 Defender to contain zero-day, unsecured API, and runtime vulnerabilities on many applications used on the corporate network.

**IT Student Assistant**, Frisco, Texas  
*Collin College Preston Ridge - Internship*

*Aug. 2019 – May 2020*

- Managed a student database using Microsoft SQL Server Manager and Microsoft Access to register 50+ students for student IDs, school-related events, and use of the campus fitness center.

## PROJECTS

**Raider One - Raider Rides and Eats Application** | *Senior Capstone Project 2023*

*Jan. 2023 – May 2023*

- Led a cross-functional team of 10 members in building two secure mobile applications, similar to Uber Eats and Uber Rides, utilizing Flutter for frontend and Firebase for backend while employing Agile methodologies.
- Designed and implemented key features relative to TTU such as incorporating dining options for student meal plans, authentication for specific TTU emails, and real-time tracking of drivers/users relative to the campus.

**Secure Connector Generator Tool** | *Undergraduate Research Assistant*

*Aug. 2022 - Dec. 2022*

- Researched DApps and developed a prototype tool with a te of 2 to automatically generate secure connectors' pseudocode and source code for secure distributed component-based software architectures using Java.

## INVOLVEMENT

**Texas Tech RaiderHacks & Google Student Developer Club**

*Aug. 2021 – May 2023*

- Participated in collaborative programming competitions and weekly Cybersecurity CTF events.
- Networked with students, founding members, and industry members to discuss assigned projects.

**Collin College Computer Science and Mathematics Tutor**

*Aug. 2020 – May 2021*

- Tutored 3 Sophomore CS students in Data Structures, OOP in Java, Linear Algebra, and Calculus II.

## TECHNICAL SKILLS

- **Languages:** Java, Dart, Python, C++, Bash, JavaScript/Typescript, HTML/CSS, SQL/KQL
- **Technologies:** Spring, JUnit, HDFS/Accumulo, Docker/K8s, Flutter/Firebase, Scrapy, Angular, MySQL, Git
- **Security Software:** Alienvault, Nucleus, Wireshark, Armitage, Metasploit, MS365 Defender, Kali Linux/UNIX