

# STERLY DERACY

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## EDUCATION

### The College of New Jersey

Aug. 2019 - May 2023

B.S. Computer Science Major with Interactive Multimedia Minor

3.95/4.00 GPA

Honors: Summa Cum Laude, Dean's List (all semesters), Omicron Delta Kappa Leadership Society, Upsilon Pi Epsilon, Phi Kappa Phi Honor Societies, Commencement Speaker, Gonfalon Carrier

Awards: Blue and Gold Hall of Fame, NJ Collegiate Press Award 2nd Best Overall Website x2, Senior of the Year, Junior of the Year, Sophomore of the Year, Freshman of the Year, Computer Science Department Service Award

## WORK EXPERIENCE

### Amazon Web Services (AWS), Front-End Engineer, Front-End Engineer Intern, New York City, NY

Jun. 2022 - Current

- Built two cutting-edge internal applications using TypeScript and React in a single summer
- Automated the creation of 6+ AWS Pipeline resources, streamlining the deployment process
- Designed and constructed a static UI for integration testing across 3 applications

### Tabula Rasa Healthcare, Software Engineer Intern, Moorestown, NJ

Jun. 2021 - Aug. 2021

- Orchestrated the development of 15 automated tests for key methods in the Ruby codebase
- Revamped complex data structures with hundreds of lines of code, improving the overall code readability
- Elevated the test coverage by a remarkable 31% for enhanced code quality and stability

## PROJECTS

### TCNJ Hackathon Website (Django, HTML, CSS, JavaScript, Bootstrap, Git)

Dec. 2021 - Current

- Spearheaded the development of the front-end of a cutting-edge application that streamlined registration for TCNJ's annual hackathon
- Designed the architecture and color scheme for 8 distinct, responsive pages to ensure optimal user experience
- Collaborated with 2 talented back-end developers to seamlessly display and retrieve database queries for over 200 users.

### The G.O.O.N. Card (HTML, CSS, JavaScript, Bootstrap, SQLite, Git)

Sep. 2022 - Dec. 2022

- Pioneered the end-to-end development of a comprehensive web application, allowing users to generate portable business cards for networking events
- Conceptualized and executed the design of color schemes, settings page functionality, and modern speech recognition capabilities
- Collaborated with a team of 4 members to facilitate meetings, delegate tasks, and review/approve pull requests for optimal team efficiency.

### Mentored Research (JavaScript, Angular, Typescript, PHP, Git)

Aug. 2019 - May 2021

- Developed a mobile application designed to help students find books in the school library alongside Dr. Knox
- Optimized data parsing in the back-end, decreasing overall run time for retrieval by 75%
- Developed and engineered book-finding algorithms on the back-end and front-end using PHP, Javascript, Angular, and Typescript respectively

## LEADERSHIP EXPERIENCE

### Association for Computing Machinery, Secretary, Vice President, President

May 2020 - Current

### HackTCNJ, Volunteer, Webmaster

May 2021 - Current

### Google Developer Student Club, Lead, Founder

Jun. 2020 - Jun. 2021

## SKILLS/CERTIFICATION

**COMPUTER PROGRAMMING:** Java, C++, HTML/CSS, Python, JavaScript, PHP/MySQL, Angular, Typescript, Kotlin, Ruby

**TOOLSET:** Ionic Framework, Git & Github, Android Studio, Wix, Wordpress, MariaDB, ReactJS, Flask, Bootstrap, Django

**CERTIFICATIONS:** IE Class Web Design Certification, CISCO IT Certification