**Daniel Graham**

[d20grah@siena.edu](mailto:d20grah@siena.edu) | (518)-902-9106 | Schenectady, NY <https://www.linkedin.com/in/danielgraham23/> | <https://github.com/DanGraham23>

**EDUCATION**

**Siena College**, Loudonville, NY

Bachelor of Science in Computer ScienceExpected May 2023

GPA: 3.98/4.00

**WORK EXPERIENCE**

**Software Engineer**,WEL Social Media Startup, Siena CollegeSeptember 2022-April 2023

* Collaborated within an Agile team to develop a full stack web application utilizing Angular, TypeScript, Spring Boot, and PostgreSQL
* Developed user authentication and authorization systems for secure access control
* Enhanced user experiences by modernizing over 60 pages and components using Figma
* Facilitated the integration of the Spring Boot REST API with the Angular front end

**Student Researcher**,CURCA Summer Scholars, Siena CollegeJune 2020-August 2020

* Devoted 40 hours per week, researching the measles virus and disease modeling techniques
* Formulated generalized versions of the traditional SIRV compartmental model equations
* Utilized Python simulations to accurately model the spread of measles

**Teaching Assistant**,Mohonasen High School, Schenectady, NYSeptember 2018-June 2019

* Worked 15 hours per week through the Cooperative Education and Internship Program
* Assisted students with their learning of Python, Boolean algebra, and computer architecture

**PROJECTS**

**ShopFriends**

* Developed a full stack eCommerce site utilizing React, Redux, TypeScript, Node, Express and PostgreSQL
* Implemented features such as listings, tags, user profiles, ratings, carts, and pagination
* Incorporated the Stripe API for secure checkout and AWS S3 to store images

**Chat Web Application**

* Developed a chat application utilizing React, Node, Express, and MongoDB
* Incorporated sockets to allow for real-time message sending and receiving
* Authorized and authenticated users with JWTs, Cookies, and password hashing

**Java Volcano Animation**

* Created an animation using Java Swing components, threads, and mouse events
* Incorporated thread safety with synchronized blocks when animating objects
* Utilized abstract classes and interfaces to create maintainable and structured code

**SKILLS**

**Front End:** React, Redux, Angular, HTML, CSS

**Back End:** Node, Express, PostgreSQL, Spring Boot, MongoDB, AWS, S3, RDS, EC2

**Languages:** Java, JavaScript, TypeScript, Python, SQL