**Daniel Graham**

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**EDUCATION**

**Siena College**, Loudonville, NY

Bachelor of Science in Computer ScienceMay 2023

GPA: 3.98

**EXPERIENCE**

**Software Engineer**,WEL Social Media, Loudonville, NYSep. 2022 - Apr. 2023

* Collaborated within an Agile team to develop a full stack web application utilizing Angular, TypeScript, Spring Boot, and PostgreSQL
* Developed 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 - Aug. 2020

* Researched the measles virus, disease modeling, and model analysis 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, NYSep. 2018 - June 2019

* Assisted students with their learning of Python, Boolean algebra, and computer architecture

**PROJECTS**

**ShopFriends eCommerce**

* 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**

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

**Front End:** React, Redux, Angular, Material UI, Styled Components, HTML, CSS

**Back End:** Node, Express, PostgreSQL, Spring Boot, MongoDB, Knex

**Tools:** Git, GitHub, ZenHub, AWS, Docker, Postman