**Daniel Graham**

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**EDUCATION**

**Siena College** Loudonville, NY

Bachelor of Science in Computer ScienceMay 2023

GPA: 3.98

**EXPERIENCE**

**Software Engineer** Sep 2022 - Apr 2023

WEL Social Media Loudonville, NY

* 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

**Undergraduate Researcher** June 2020 - Aug 2020

Siena College Loudonville, NY

* 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

**Computer Science Teaching Assistant** Sep 2018 - June 2019

Mohonasen High School Schenectady, NY

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

**PROJECTS**

**ShopFriends eCommerce** | React, Redux, TypeScript, Node, Express, PostgreSQL

* Developed a full stack, peer-to-peer marketplace to allow users to sell their items
* Implemented features such as item listings, profiles, user ratings, carts, and pagination
* Incorporated the Stripe API for secure checkout and AWS S3 to store images

**Chat Web Application** | React, Node, Express, MongoDB

* Developed a chat application utilizing sockets to allow for real-time messaging
* Authorized and authenticated users with JWTs, Cookies, and password hashing

**Java Volcano Animation** | Java, Swing Components, Threads, OOP

* Created an animation that simulates a simple volcanic eruption with various modes
* Incorporated thread safety when animating objects by using synchronized blocks

**SKILLS**

**Languages:** Java, JavaScript, TypeScript, C#, 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