**Daniel Graham**

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**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 an Angular and TypeScript web-application for a client under an NDA
* Enhanced user experiences by modernizing over 60 Figma pages and components
* Facilitated seamless data retrieval by integrating the Java Spring Boot and PostgreSQL backend with various points on the frontend
* Developed user authentication and authorization systems for secure access control

**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
* Conducted comprehensive model analysis, employing metrics such as DALYs

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

* Worked 15 hours per week developing professional skills through the Cooperative Education and Internship Program (CEIP)
* 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 item listings, user profiles, ratings, carts, and pagination
* Incorporated Stripe API for secure checkout and AWS S3 to store item and user 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

**SKILLS**

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

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

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