**Daniel Graham**

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**EDUCATION**

**Siena College**, Loudonville, NY

Bachelor of Science in Computer ScienceExpected May 2023

GPA: 3.98

**EXPERIENCE**

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

* Collaborated in an Agile Scrum team under an NDA to create an Angular and TypeScript web-application for a client
* Enhanced user experiences through modernized Figma designs
* Connected the Java Spring Boot + PostgreSQL backend to numerous points on the frontend to create and pull sample user data
* Developed a login/register page to authenticate users in the systems database

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

* Worked 40 hours per week researching the measles virus and disease modeling techniques
* Formulated generalized versions of the traditional SIRV compartmental model equations
* Performed simulations using Python to model the spread of measles according to the generalized equations developed
* Analyzed and compared the simulations of the traditional model with the generalized models using metrics such as DALYs to determine the estimated burden of disease for measles

**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 in a computer science classroom with their learning of Python and various computer science fundamentals

**PROJECTS**

**ShopFriends**

* Developed an eCommerce site using React, TypeScript, Redux, ExpressJS, NodeJS, Knex, and PostgreSQL
* Implemented features such as user ratings, listings, profile pictures, carts, and pagination
* Designed a PostgreSQL database schema with various constraints, relations and queries

**Chat Web Application**

* Developed a chat application using React, ExpressJS, NodeJS, and MongoDB
* Incorporated sockets to allow for real-time message sending and receiving
* Authorized and Authenticated users with JWTs, Cookies, and password hashing

**SKILLS**

Proficient: Java, React, Angular, TypeScript, ExpressJS, NodeJS, PostgreSQL, MongoDB, SQL

Familiar: Python, Java Spring Boot, Django, Oracle, Git/Version Control