Samuel Clark

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EDUCATION

The University of North Carolina at Chapel Hill - Chapel Hill, NC   **December 2021 - June 2022**
Full-Stack Coding Boot Camp

Appalachian State University - Boone, NC   **August 2017 - August 2021**
Bachelor of Science in Chemistry
Concentration: Biochemistry, Minor: Biology

SKILLS

- **Languages**: JavaScript, SQL, Java, HTML/CSS
- **Technologies**: Node.js, Express.js, React.js, REST, GraphQL, Spring Boot, MVC, SPA
- **Databases**: MySQL, MongoDB
- **Frameworks**: Sequelize ORM, Mongoose ODM, Jest, Handlebars.js, JQuery
- **Tools**: Git, GitHub, GitLab, Heroku, Postman, Bash

PROJECTS

Lab-Assistant - Front-End GitHub - Back-End GitHub
- Designed a website for laboratory employees to house frequently used calculations to automate data collection for quick customer results
- Users can create an account to "favorite" frequently used calculations or continue without one
- Built front-end with React.js, TailwindCSS, and MaterialUI
- Constructed a RESTful API with Java and Spring Boot to interact with a MySQL database to store user and session information

D&D Character Creator - GitHub
- Assembled a website that allows users to create accounts that design and organize Dungeons and Dragons characters online instead of writing out physical character sheets
- Used React.js and component libraries to design the front-end of the application
- Built back-end server with Express.js and Node.js and Mongoose ODM, GraphQL, and Apollo Server were used to communicate with a MongoDB database

Social Media Chatting Platform- GitHub
- Collaborated with colleagues to produce a social media website for users to set up an account, connect with others with similar interests, and initiate conversation with those users via chat window
- Front-end was created with Handlebars.js and CSS
- A RESTful API was built using Express.js, Node.js, and Sequelize ORM to interact with a MySQL database

WORK EXPERIENCE

Novozymes - Franklinton, NC   **September 2021 - Present**
Research Associate
- Applied agile methodologies to complete projects to find innovative ways to use Novozymes enzymatic products in partnered organizations' goods
- Execute daily lab activities and implement optimized processes for efficient documentation and accurate data
- Participated in the technical factor to determine if a Novozymes product was functioning properly in a partner's beverage that resulted in contract renewal

Exela Pharma Sciences - Lenoir, NC   **May 2020 - July 2020**
Analytical Chemistry Intern
- Prepared and standardized (through titration) reagents needed for testing raw materials used in making pharmaceutical products
- Lead group of other interns in completing internal assignments meant to improve efficiency in the lab