

# Samuel Clark

Raleigh, NC | (704) 799-5685 | [samclark2399@gmail.com](mailto:samclark2399@gmail.com) | [GitHub](#) | [LinkedIn](#)

## EDUCATION

---

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

**December 2021 - June 2022**

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

**August 2017 - August 2021**

## CERTIFICATIONS

---

**AWS Certified Cloud Practitioner**  
Amazon Web Services Training and Certification

**September 2022**

## SKILLS

---

- **Languages:** JavaScript, SQL, Java, HTML/CSS, Bash
- **Technologies & Frameworks:** Node.js, Express.js, React.js, GraphQL, Spring Boot, MySQL, MongoDB, AWS, Jest, Sequelize, Mongoose, RESTful APIs, JQuery, Git, Heroku, Postman

## PROJECTS

---

Lab-Assistant - [Front-End GitHub](#) - [Back-End GitHub](#)

- Built a web application that automates frequent calculations used by 20+ research associates at Novozymes
- Added account creation and personalization functionality using Java and Spring Boot to store user and session information in a MySQL database
- Designed a light and modern UI using React.js, Tailwind CSS, and Material-UI for an intuitive user feel

D&D Character Creator - [GitHub](#)

- Created a website for users to create, design, and organize Dungeons & Dragons character sheets online instead of physically writing them out
- Designed a flexible UI using React.js and component libraries focused on easy character sheet creation
- Constructed a back-end server with Express.js, Node.js, and GraphQL to communicate with a MongoDB database

Social Media Chatting Platform- [GitHub](#)

- Built a peer-to-peer social media website for users to create accounts, connect with others with similar interests, and have conversations via a chat window
- Developed using agile methodology with colleagues and utilized git for code version control
- Designed the front-end with Handlebars.js and the back-end with Express.js, Node.js, and Sequelize ORM to interact with a MySQL database

## WORK EXPERIENCE

---

**Novozymes - Franklinton, NC**  
Research Associate

**September 2021 - Present**

- Found innovative solutions for customers using proprietary Novozyme's enzymatic substance
- Performed an extensive technical factor analysis for a customer's beverage line that led to contract renewal with that customer
- Executed and optimized daily lab functions such as data retrieval, verification, and documentation

**Exela Pharma Sciences - Lenoir, NC**  
Analytical Chemistry Intern

**May 2020 - July 2020**

- 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