

MATT MCBEE

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PROFESSIONAL SUMMARY

Aspiring Full Stack Developer with personal experience in React, MongoDB, Python and AWS Cloud. Seeking to transition from a career in chemistry leveraging extensive experience in goal-driven teamwork, effective communication, and meticulous documentation gained in a laboratory environment to contribute to development teams while expanding technical expertise.

EDUCATION

Nucamp - Fullstack Engineering Bootcamp, March 2023

School Projects:

- Built multiple websites for local bands using React showcasing their music, upcoming shows, merchandise, and enabling users to email the band through MailChimp API.
- Developed a mobile app using React Native to help users explore and reserve sites at a campground.
- Developed a backend using NodeJS and MongoDB, allowing for RESTful HTTP requests with the mock camping reservation site, tested using Postman

James Madison University, Harrisonburg, VA - B.S. Chemistry, December 2019

- Research assistant specializing in biochemical synthetic pathways | Departmental Honors

PROFESSIONAL EXPERIENCE

THERMOFISHER, RICHMOND, VA, USA

SCIENTIST, JAN 2020 – PRESENT

- Developed tools and job aids using Python to increase efficiency in day-to-day tasks. (PDF/Excel scraping, data manipulation/consolidation)
- Effectively communicated complex data analysis results to management and cross-functional teams, utilizing insights to inform future planning, resource allocation, and strategic decision-making.
- Trained and onboarded new team members, providing comprehensive instruction and guidance to quickly bring them up to speed on development best practices, team workflows, and project requirements.
- Analyzed biological matrix samples with an emphasis on extensive documentation to determine the levels of targeted pharmaceutical compounds in order to aid in the development of long term clinical studies.

JAMES MADISON UNIVERSITY, HARRISONBURG, VA, USA

RESEARCH ASSISTANT, AUG 2018 – AUG 2019

- Generated a novel process incorporating enzyme catalysis synthesizing a targeted chemical product, overcoming hurdles in the synthetic pathway.

PROJECTS

- Built a website showcasing points of interest on the James River, integrating Google Maps API, including location tracking through phone GPS, interactive image display and connection to the National Water Prediction Service API to display live river height | (<https://jamesrivermap.netlify.app/>)
- Built a website allowing users to pull in and visualize data from the Fortnite-API to enhance their gaming experience | (<https://fortnitewiththeboys.netlify.app/>)
- Built an interactive website using React for a local civic association allowing them to send monthly newsletters to subscribers using MailChimp API | (<https://carilloncivic.netlify.app/>)

SKILLS

- Front-end Languages/Frameworks: React, React Native, HTML, CSS/HTML, JS, Redux
- Back-end/Development: Python, NodeJS, JSON, MongoDB, API, RESTful web services, AWS, Postman, GitHub
- Data analysis using software: Analyst, MultiQuant, Assist, Microsoft Office
- AWS Certified Cloud Practitioner, April 2024
- *In progress* - CompTIA Network+ Certification