Leo Smith

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EDUCATION

Bachelor of Arts in Mathematics and ACS Chemistry

Concordia College, Moorhead, MN   *Aug 2018 – May 2023*

- *Summa cum laude* (4.0 GPA)
- Achievements: Dean's List (9 semesters), USTCCCA All-Academic Athlete
- Involvements: Cross Country, Track & Field, Student Government Association

SKILLS

JavaScript, Node.js, Vue.js, MariaDB, MongoDB, HTML, CSS, Java, Python, Git, R, Bash, Machine Learning

KEY PROJECTS

Cyclic Voltammetry Simulation Website

- Designed and built a website that generates a cyclic voltammogram based on 14 different input parameters
- Utilized JavaScript, HTML, and CSS to engineer a simple and intuitive user experience

WORK EXPERIENCES

Math Tutor

Concordia College Center for Student Success, Moorhead, MN   *Aug 2022 – Dec 2022*

- Display strong communication skills by articulating difficult math concepts to students
- Implement a variety of teaching strategies to adapt to the individual learning needs of each student
- Manage time effectively by balancing walk-in and one-on-one tutoring as a student-athlete

Teaching Assistant

Concordia College Chemistry Department, Moorhead, MN   *Jan 2021 – Dec 2022*

- Restructure the analytical chemistry curriculum to include additional cyclic voltammetry experiments
- Assist chemistry instructors with grading lab quizzes, weekly lecture quizzes, and homework
- Foster relationships with students by answering questions and providing guidance on lab techniques

INTERNSHIPS

Software Developer Intern

Voxtelesys, Fargo, ND   *Dec 2022 - Present*

- Developed frontend and backend code to maintain and improve the company's software environments
- Collaborated with support, accounting, and other developers to design programs that fulfill user requirements
- Utilized database tools to enhance the performance, functionality, security of applications

Machine Learning Researcher

Boise State University, Boise, ID   *May 2022 – Jul 2022*

- Demonstrated problem-solving by collaboratively writing and debugging scripts in Python and Bash
- Employed machine learning to predict material properties of metal alloys to within 7% of their actual values
- Generated an image database by using Linux to run simulations on a computer cluster

Organic Chemistry Researcher

Scripps Research, San Diego, CA   *Jun 2021 – Aug 2021*

- Formulated a cost-effective method for synthesizing an alkaloid molecule using techniques in organic chemistry
- Analyzed results of synthesis reactions using quantitative and qualitative chemical analysis tools
- Conveyed research concepts and results to peers with several slideshow and poster presentations

Computational Biology Research Assistant

Concordia College Biology Department, Moorhead, MN   *May 2020 – Jun 2020*

- Assessed the effects of plant cultivation on nectar quality by constructing a meta-analysis
- Exhibited critical thinking by conducting a systematic search through existing literature for relevant studies
- Computed effect sizes and other statistical relationships by developing code in R