Noah Rizika

Middlebury, VT • (310) 720-7415 • noahrizika.github.io • linkedin.com/in/noah-rizika • noahrizika@gmail.com

EDUCATION

Middlebury College   Middlebury, VT
Candidate for Bachelor of Arts -- Biochemistry   September 2021 - May 2024
- **GPA:** 3.87, Dean's List
- **Relevant Coursework:** Computer Architecture (in C), Qualitative Big Data Analysis (in Python), Machine Learning (Udacity, Python), Data Structures and Algorithms (Udemy, C++), Calculus II and Physics II
- **Programming Skills:** Python, C++, JavaScript/HTML/CSS, React, Angular, Jupyter Notebooks, AWS, Git
- **Leadership & Activities:** Water Polo Captain, Climbing Club VP and Coach, Community Friends and Sports PT Volunteer, Recipient of Middlebury's Cross-Cultural Community Engagement Grant

University of Washington, Seattle   Seattle, Washington
- **GPA:** 4.0, Dean's List   August 2020 - June 2021
- **Activities:** Carbon Footprint Analysis, Conservation Research, Consulting, Writing & Editing

EXPERIENCE

Political Science Department, Middlebury College   Middlebury, VT
Qualitative Data Analyst   September 2023 - January 2024
- Researched AI portrayals by media outlets in different countries and of varying political leanings
- Led a small team to analyze 30,000+ articles via collocations, sentiment analysis, topic modeling and Pandas analysis using Python in Jupyter Notebooks
- Created custom cross-tabulation functions in Python for analyzing multivariate categorical data
- Presented and curated previously undiscovered findings to researchers and a general audience

Bing He Biological Research Lab, Dartmouth College   Remote
Machine Learning Engineer   August 2023 - October 2023
- Developed a computer vision model to classify cell stage development and expedite data collection
- Operated with a limited dataset of an unsupported image format using Pytorch in AWS SageMaker

Pivotal Software Inc. / Chadwick High School   Santa Monica, California
Front End Web Developer - Intern   June 2019 - September 2019
- Worked on an Agile team to create weightlifting and objective-setting web applications for my high school with TypeScript, HTML 5 and SCSS using Angular
- Added security and functionality by incorporating the Google Sign-In API, drag/drop features, and test cases for both projects

PROJECTS (https://github.com/noahrizika)
- **Outdoor Rock Climbing Website:** Developed a multi-page React web app with the Google Maps API to direct users to a newly-discovered outdoor bouldering area using JavaScript and HTML/CSS.
- **Supervised ML Workflow:** Operationalized a machine learning model to expedite inference requests with Lambda functions and SageMaker Notebooks in AWS using Python and JSON.
- **Biochemistry Calculators:** Created C++ programs using hashmaps, logic statements and math to determine DNA stacking energies, a protein's charge and isoelectric point, and mRNA base pairings.

SKILLS & INTERESTS

Problem Solving • W-EMT • Exercise and Nutritional Science • Skiing • Running • Organic Chemistry • Go (game)