

Noah Rizika

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EDUCATION

Middlebury College

Middlebury, VT

Candidate for Bachelor of Arts -- Biochemistry

September 2021 - May 2024

- **GPA:** 3.85, College Scholar (Highest Academic Honor) all semesters
- **Relevant Coursework:** Computer Architecture (in C), Big Data Analysis (in Python), Machine Learning (Udacity, Python), Data Structures and Algorithms (Udemy, C++), Calculus II, Physics (Electromagnetism)
- **Programming Skills:** Python, C++, JavaScript/HTML/CSS, React, Angular, PostgreSQL, R, Jupyter, AWS
- **Leadership & Activities:** MiddDev, Climbing Club President and Coach, Water Polo Captain, Community Friends and Sports PT Volunteer, Recipient of Middlebury's Cross-Cultural Community Engagement Grant

University of Washington, Seattle

Seattle, Washington

August 2020 - June 2021

- **GPA:** 4.0, Dean's List (Highest Academic Honor) all quarters
- **Activities:** Carbon Footprint Analysis, Conservation Research, Consulting, Writing & Editing

EXPERIENCE

MPoMP Lab, Middlebury College

Middlebury, VT

Developer and Data Analyst

September 2023 - January 2024

- Researched AI portrayals by media outlets in different countries and of varying political leanings
- Created custom cross-tabulation functions in Python for analyzing multivariate categorical data
- Developed functions to convert PDFs into custom-formatted .txt documents to expand useable data
- Collaborated on a small team to analyze 30,000+ articles via collocations, sentiment analysis, topic modeling and Pandas analysis using Python in Jupyter Notebooks

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)