

Jacob R. Inger

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EDUCATION

Northeastern University, Portland, Maine

Expected December 2024

Khoury College of Computer Sciences

Master of Science in Data Science, Candidate, GPA: 3.9

Related Courses: Supervised Machine Learning, Database Management Systems, Information Visualization

- Engaging in a robust curriculum covering computational modeling, data integration, storage and retrieval, advanced analytics, and dynamic visualization techniques.

University of Southern Maine, Portland, Maine

January 2022

Statistics, GPA: 3.7

Related Courses: Statistical Inference, Topics Biostatistics, Data Mining Sample Survey Design and Analysis

Completed 18 credits in Advanced Studies in Statistics with a Concentration in Data Science.

- Mastered a diverse range of statistics courses, honing skills vital for data-driven decision making.

University of Vermont, Burlington, Vermont

December 2019

Bachelor of Science

Related Courses: Fixed Income Security Analysis, Corporate Financial Reporting, Real Estate Finance

Bachelor of Science in Business Administration and Financial Management.

TECHNICAL SKILLS

- JavaScript, Python, R, HTML, CSS, C++, Microsoft Office, Illustrator, Photoshop, Lightroom.

WORK EXPERIENCE

Maine Connectivity Authority, Portland, Maine

January 2023 - Present

Data Science Internship

- Leading data collection for Community Anchor Institutions (CAIs) deploying web scraping, Google APIs, and Census API, FCC data, and Maine's GIS database enhancing geospatial and demographic accuracy.
- Crafted geospatial algorithms in Maine, doubling strategic CAI locations, leading to a 50% reduction in areas affected by digital divide.
- Constructing a web search application on ESRI technology for interactive queries and analyses on over 12,000 Community Anchor Institutions (CAIs) for all of Maine, ensuring comprehensive CAI listing.

Northeastern University College of Computer and Information Science, Portland, Maine

January 2023 - Present

Teaching Assistant

- Devising and deploying specialized math educational resources on Linear Algebra and Probability, elevating students' comprehension in a cohort of 20 learners.
- Reviewing and grading weekly assignments and major projects, providing feedback, and conducting one-on-one reviews to foster academic success.
- Designing and delivering Python programming tutorials, equipping students with practical coding skills and software development techniques.

The Roux Institute, Portland, Maine

April 2023 - September 2023

Business Data Analyst Internship

- Collaborated on a team to build Machine Learning application for Groundbreaking Medical Device Development using C++.
- Undertook comprehensive market research for clients, producing analytical reports to guide strategic healthcare decision-making. Worked with 5 different companies.
- Leveraged data visualization tools in Python to designed insightful dashboards, enabling stakeholders to understand complex data sets and trends easily.

PROJECTS

Aquaculture Device Manufacturing, WaveWise, LLC

March 2023 - Present

- Spearheaded a blue-tech venture as CEO and founder, seamlessly integrating modern technology with aquaculture.
- Secured two substantial grants for product development within past 6 months.

University of Southern Maine, Graduate Research Assistant

January 2022 - Present

- Applied advanced data analysis techniques, uncovering a 34% disparity in medical treatment across Maine's demographic groups, highlighting areas for targeted healthcare interventions.
- Collaborated with a team of 5 engineers to improve pilot device functionality, resulting in a 20% increase in device efficiency and a 15% reduction in user-reported errors.