

LENNOX ANDERSON

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EDUCATION

MEng - Artificial Intelligence - Duke University JUL 2024 – MAY 2022

Coursework: *Modeling Process & Algorithms* | *Explainable AI* | *Sourcing Data for Data Analytics*

BS - Information Science - University of Colorado Boulder JAN 2022 – JUN 2024

Achievements: *Dean's List* | *3.7 GPA* | *Honors Graduate*

Coursework: *Applied Machine Learning* | *Computational Reasoning* | *Quantitative Reasoning*

AAS - Software Development & Data Analytics - Green River College AUG 2019 – JAN 2022

Achievements: *Honors Graduate* | *Dean's List* | *3.7 GPA* | *Siemens Technical Scholar Grant Recipient*

Coursework: *Data Structures & Algorithms* | *Web Development* | *Python for Data* | *Data Technologies*

SELECTED SKILLS

Languages: Python, JavaScript, Java, C++, HTML, CSS, Bash.

Libraries: Pytorch, Numpy, Pandas, Scikit-Learn, NLTK, BeautifulSoup, Matplotlib, Seaborn, D3.

Technologies: AWS, Keras, Git, Firebase, Svelte, React, Node, Cypress, Docker.

WORK EXPERIENCE

Chief Engineer & Founder @ Onyx AI - Seattle, WA. DEC 2023 - PRESENT

- Optimized ML input parameters using preprocessing techniques, reducing query costs by over 98%.
- Enhanced large data traversal efficiency through various technical ecosystems by engineering a WebSocket for a full-stack application in a data-driven architecture.
- Applied multi-threaded methods to a high-performance cloud infrastructure which resulted in significantly reduced response times.
- Delivered projects efficiently by leading a team of developers, engineers, and researchers in a fast-paced, innovation-driven environment.

Software Developer @ Manifest Supply Studies – Remote, New York. JUN 2023 – AUG 2024

- Enhanced an existing open-source, client-side supply chain mapping software by developing new features to meet evolving user requirements.
- Improved dynamic data visualizations by integrating technologies such as D3, ArcGIS, and Leaflet in a complex mapping application.
- Deployed automated end-to-end and unit testing, significantly reducing bugs in production and ensuring seamless updates in a high-availability environment.
- Improved UX by aligning solutions with client feedback and user needs.

Data Analyst Intern @ International Wood Products - Clackamas, OR. MAY 2021 – SEP 2021

- Reduced processing time and improved order accuracy by developing Python scripts to analyze EDI purchase orders and invoices in a high-volume transaction environment.
- Optimized truck routing across the West Coast by creating Python analytics scripts to enhance efficiency between pickup, drop-off locations, and intermediate trade points.

Software Engineer Intern @ Code Day Labs - Seattle, WA. MAY 2020 – AUG 2020

- Engineered APIs using AWS services (Lambda, API Gateway, S3) to facilitate seamless data integration and functionality in cloud-based applications.
- Developed a full-stack web application for locating hiking trails, providing users with a comprehensive and interactive experience.

PROJECTS

Image Pipeline & Classification – Created a pipeline to automate image collection, preprocessing, and training for fine-tuning an image classification model to specific classes.

Lyrical Toxicity Machine Learning Web App - A web application integrating an ML model to evaluate toxicity levels in lyrics, offering detailed analytics and insights from music data.