

Luke Sheldon

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Education

Bachelor of Science - Computer Science, Expected in 05/2026

Clark University - Worcester, MA

Academic Honors - All NEWMAC Academic Team

Relevant Coursework

Algorithms • Data Structures

• Discrete Structures • Linear

Algebra • Calculus I & II

Skills

Languages: Java, Python • **Web Development:** Javascript, HTML, CSS • **Databases:** MongoDB, MySQL

Work History

Teachers Assistant, 01/01/2023 to 05/10/2023 • **Clark University** – Worcester, MA

- CSCI120 Peer Learning Assistant
- Provide instructional support to students seeking help or unable to attend regular classes.
- Collaborated with teachers for lesson preparation by preparing materials and practice problems..

Youth Soccer Coach, 05/18/2023 to 08/18/2023 • **Super Soccer Stars, Youth Athletes United** - Los Angeles, CA

- Provide developmental support to youth athletes starting their athletic careers.
- Plan training sessions touching on different core concepts including motor skills, active listening, critical thinking, etc.
- Communicating effectively with parents, coworkers, and athletes in order to ensure optimal training sessions and create a streamlined learning environment.

Projects

ClarkU Research | Hackathon | October 2023

Python, HTML, CSS, MongoDB

- Created a Flask web application connected to a MongoDB database, providing a user-friendly interface for displaying research opportunities and enabling dynamic filtering and search capabilities.
- Designed HTML templates for the landing page and research opportunity listings..

The NEWMAC score Predictor | September - December 2023

Python, Sk-Learn

- Developed machine learning models utilizing historical NEWMAC soccer data.
- Implemented three models—Logistic Regression, Decision Tree, and Random Forest Algorithms
- Emphasized the importance of continuous testing, refining, and tuning to maintain and improve the predictive quality of the machine learning models over time.

Traveling Salesman | March 2023

Java

- Developed a program to create and manipulate a tour of points in a 2D plane using the Nearest Neighbor and Smallest Increase algorithms.
- Implemented a linked list data structure using nested classes to represent the tour, allowing efficient insertion and traversal.

Volunteer Experience

Peer Tutor - Culver City High School - Culver City, CA

- Set up scheduled tutoring hours for students seeking additional help and instruction.
- Helped reinforce core concepts in my peers while honing my problem solving and time management skills.

Activities

Clark Varsity Men's Soccer - Clark Athletics • **Alpine Skiing and Snowboarding Club** - Treasurer

