

Luke Sheldon

(310) 745-3383 • lukesheldon2004@gmail.com • <https://github.com/LukeSheldon19> •
<https://www.linkedin.com/in/luke-sheldon> • <https://transcendent-nougat-45ce58.netlify.app/>

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

Teacher's Assistant, 01/01/2023 to Present • **Clark University** – Worcester, MA

- Intro to Computing and Algorithms Peer Learning Assistant.
- Provide instructional support to approximately 40 students.
- Collaborate with professors to develop course lesson plans and instructional materials in advance of and during the semester.

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

- Coach and instruct soccer fundamentals to youth athletes ranging from two to five years old during three sessions per day.
- Plan training sessions touching on multiple core sport concepts, including motor skills, active listening, critical thinking, teamwork, sportsmanship, etc.
- Communicate with parents, supervisors/co-workers, and participants in order to ensure optimal training sessions and create a safe, streamlined, and effective learning environment.

Projects

Personal Web App Portfolio | January 2024

HTML, CSS, Javascript

- <https://transcendent-nougat-45ce58.netlify.app/>

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 styled using CSS 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 each machine learning model over time.

Traveling Salesperson | 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 for efficient insertion and traversal.

Volunteer Experience

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

- Tutored fellow students of all grades in Computer Science and Math curriculum.
- Helped reinforce core concepts in my peers while honing my problem solving and time management skills.

Activities

Clark University Varsity Men's Soccer - Forward

Alpine Skiing and Snowboarding Club - Treasurer

Music Production - Producer, FL Studio