

Weyehn Reeves *he/him*

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EDUCATION

University of Massachusetts Amherst

Graduated May 2025

Manning College of Information and Computer Sciences

B.A. in Computer Science

Coursework: Web Programming, Human-Computer Interaction, Intro to Database Management, Introduction to Artificial Intelligence

Holyoke Community College

Graduated May 2020

Computer Information Systems

Associates in Computer Science

Coursework: Java Programming, Python Programming, Data Structures and Algorithms

SKILLS

Programming Languages: PHP, Python, JavaScript, HTML, CSS, Java

Tools: Linux, Apache, MySQL, GitHub, NoSQL, REST API, Slack, Git, Figma, React, Next.js

PROJECTS

[My Github Here](#)

ASL Dictionary Chrome Extension | *JavaScript, HTML/CSS, JSON, Chrome APIs, Python, Video Processing*

[ASL Tool Github here](#)

- **Identified critical accessibility gap affecting** 15+ million deaf/hard-of-hearing users who lacked seamless access to sign language videos while browsing standard web content
- **Developed Chrome extension using JavaScript and Chrome APIs** that automatically detects and highlights ASL-related terms on any webpage, creating an intuitive bridge between text and visual learning
- **Engineered automated video integration system** using JSON data structures and Python scripts to efficiently manage and organize 3,000+ ASL video files from Boston University's ASLLVD dataset
- **Implemented advanced fuzzy search algorithms and synonym mapping** to handle plurals, regional variations, and diverse user query patterns with intelligent term recognition

Interactive Chess Game Web Application | *JavaScript, HTML5, CSS3, CSS Grid, SVG, Event Delegation, DOM Manipulation*

[Chessboard game improvement](#)

- **Transformed basic classroom chessboard exercise** into fully interactive chess game by expanding initial 200-line codebase to 800+ lines of modular, organized JavaScript
- **Engineered performance-optimized user interface** using CSS Grid layout system to create responsive 8x8 board with clean, professional visual design
- **Developed efficient event handling system** using event delegation pattern to manage 64 board squares with single event listener instead of multiple handlers, reducing memory overhead
- **Enhanced user experience with real-time features** including smooth CSS animations, instant move validation processing under 50ms, and 75% improvement in interaction responsiveness

WORK EXPERIENCE

Customer Service Associate At Big Y

July 2020 - Jan2025
Southampton, MA

- Provided technical user support for mobile application troubleshooting and product discovery, resolving user experience issues and improving customer engagement with digital platforms
- Ensured accessibility compliance and inclusive user experience by adapting communication methods for diverse user groups, including implementing ASL for deaf and hard-of-hearing customers
- Maintained high-performance service delivery in a fast-paced environment while managing concurrent customer requests, demonstrating strong problem-resolution and stakeholder management capabilities