

Matthew Nelson

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EDUCATION

Brigham Young University

Expected Graduation: April 2026

Bachelor of Science in Computer Science

Provo, UT

- **GPA:** 3.94
- BYU scholarship recipient
- Dean's List
- **Completed Relevant Coursework:** Data Structures & Algorithms, Web Programming, Advanced Software Construction, Discrete Structures, Linear Algebra, Calculus 2

SKILLS

- **Frameworks/Tools:** Laravel, React, Next.js, GitHub
- **Programming Languages:** Java, PHP, Python, SQL, C++, JavaScript
- **Languages:** Spanish (fluent)

EXPERIENCE

BYU Student Life Technology

January 2024-Present

Full Stack Web Developer

Provo, UT

- Laravel, PHP, JavaScript, CSS, and HTML
- Achieved a 45% reduction in game roster load times on isports.byu.edu by refactoring existing API calls and introducing WorkDay APIs.
- Increased team intramural sport signup by 15% by implementing a free agent registration.
- Streamlined singles/doubles sports intramural sports signups by transitioning from in person to online registration.

BYU Computer Science Department

August 2023-December 2023

Intro to CS Teaching Assistant

Provo, UT

- Directed lab sections of 25 students twice a week, reviewing and teaching lecture concepts.
- Facilitated coding exercises, allowing students to practice what they are learning.
- Assisted students in a help lab, providing guidance and support for class assignments.

PROJECTS

Budget App (Personal)

June 2024-August 2024

<https://budget.matthewnelson.click>

- Next.js, React, Node.js, TypeScript, Postgres, Tailwind, JavaScript/CSS/HTML
- Developed and deployed a web application on AWS to track and analyze personal spending on a weekly, monthly, and annual basis.

Chess Game (Coursework)

January 2024-April 2024

<https://github.com/matthew-s-nelson/chess.git>

- **Technologies:** Java, MySQL, JUnit testing, WebSocket
- Utilized WebSocket for real-time communication between client and server to create a real-time command line chess game.

VOLUNTEER & LEADERSHIP EXPERIENCE

The Church of Jesus Christ of Latter-day Saints

June 2021-May 2023

Full-time Representative

Santa Cruz de la Sierra, Bolivia

- Coordinated the efforts of volunteer groups consisting of 160 volunteers from 14 North and South American countries.
- Led monthly counsels of 24-28 volunteer leaders, training on leadership skills and guiding discussions on how to increase volunteers' effectiveness.
- Organized and directed weekly mini-workshops and two monthly day-long conferences for 80-160 volunteers, training on effective communication, planning, technology use, and problem-solving.