

# Andrew Dutson

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## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, EJS/Pug/Handlebars, CSS, HTML, and Python

**Frameworks:** React, Express, and NodeJS

**Developer Tools:** Git, Jest, CLI, Cloud Hosting and Deployment, VS Code, APIs, Github, NPM/Yarn, and JSON

**Libraries:** React, React Router, async, Passport, Mongoose, bcryptjs, dotenv, express-validator, express-session, Redux, Axios, lodash, Date.js, and JavaScript URL Library

**Databases:** MongoDB

## PROJECTS

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Espressit, Social Media App | *React, TypeScript, Jest, Firebase, CSS, Git* Nov. 2022 – Dec. 2022

- Built and deployed a comprehensive full-stack social media app that included user authentication (using both Google Auth and normal authentication), CRUD functionality, and full test coverage with Jest.
- Optimized performance through code splitting, React hooks, and state management. Achieved high scores on all Lighthouse tests (IE. Performance, Accessibility, SEO, and Best Practices).

Where's Waldo - Photo Tagging App | *React, TypeScript, Jest, Firebase, CSS, Git* Oct. 2022 – Nov. 2022

- Deployed and designed a Where's Waldo game with a responsive design, ensuring seamless usability across multiple devices, including desktops, tablets, and smartphones.
- Developed Page X/Y coordinate calculations for selecting characters, API verification for correct choices, and a leader board for saving user names based on their score. Achieved full test coverage in Jest.

Steam Store, Shopping App | *React, JavaScript, Jest, STEAM API, CSS, Git* Oct. 2022 – Oct. 2022

- Created a responsive Steam Store clone that integrates with the Steam Store API, allowing users to browse and search for games, modify quantities, and track total cost in their cart. Achieved full test coverage in Jest.
- Leveraged React hooks and state for fast and responsive page updates.

## EXPERIENCE

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**Math and Science Teacher** May 2019 – Present

*Granite School District*

*Salt Lake City, Utah*

- Maintained a 95% or higher engagement rating across 20+ classes totaling over 549 students.
- Implemented and enforced classroom management strategies to ensure a positive and productive learning environment for class sizes of 25-32 students.
- Reported 1.2 years of student growth in summative testing for 2 years, exceeding district and state averages by 41%.
- Scouted 30 players for a school team through try-outs, interest, and student grades; then trained the team to increase average athlete performance by 82%.

**Electronics Manager** Summers Only, May 2017 – August 2019

*Walmart*

*West Jordan, UT*

- Successfully implemented departmental changes, resulting in improved processes and increased efficiency by 28%.
- Increased sales by 43% through targeted marketing strategies and effective inventory management.

**Data Analyst and Audio Engineer** Jan. 2016 – May 2019

*Freelance*

*Kearns, UT*

- Analyzed listener data to adjust show production, resulting in a 70% increase in revenue, and a 150% increase in average downloads
- Engineered show music, sound effects, and audio tracks for 300+ episodes, two of those podcasts received nominations for best sound in podcasting

## EDUCATION

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**Western Governors University** Salt Lake City, UT

*Masters of Science in Curriculum and Instruction*

*May 2021 – Sep. 2021*

**University of Utah** Salt Lake City, UT

*Bachelors of Science in Elementary Education w/ STEM Endorsement*

*Jan. 2017 – May 2020*