

Andrew Dutson

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EXPERIENCE

Science, Math, and Coding Teacher

May 2019 – Present

Granite School District

Salt Lake City, Utah

- Guided 549 students with technical support digitally and in-person, resolved 5-30 issues daily
- Generated digital learning materials using different software and technologies which showed an increase in student test performance by 63%
- Achieved 1.2 years of student growth in summative testing for 2 years, exceeding district and state averages by 61%
- Identified 30 players for a school team and trained the team to increase average athlete performance by 87%

Data Analyst

January 2016 – May 2019

Granite School District

Salt Lake City, UT

- Compiled data on 200+ students and implemented academic/behavioral plans with 100% fidelity and an 80% success rate, resulting in a 43% increase in student academic and behavioral performance
- Analyzed, scrubbed, and consolidated student data to create stakeholder presentations resulting in a 31% increase in effective student reading referrals

Audio Engineer, Market Analyst

January 2014 – December 2016

DTP - Part-Time

Kearns, UT

- Streamlined listener data to adjust show production, resulting in a 70% increase in revenue and a 147% increase in downloads
- Improved show music, sound effects, and audio tracks for 300+ episodes and received two nominations for best sound in podcasting

PROJECTS

Blog API, CMS, and Client | *TypeScript, NextJS, Node.js, Express, MongoDB, and CSS*

- Developed a Node.js and Express API back-end with route protection, token-based authentication, and robust error handling, reducing the API error rate by 40%
- Designed two NextJS, React, and TypeScript front-ends–Client front-end for viewing and interacting with blog posts and a Content-management-system front-end for authenticated users to perform CRUD operations on blog posts

Espressit, Social Media App | *React, TypeScript, Jest, Firebase, CSS, Git*

- Implemented a full-stack/jam-stack social media app that included user authentication (using both Google Auth and normal authentication), CRUD functionality, interactive styling, and full test coverage with Jest
- Optimized app performance through code splitting, React hooks, and state management–Achieving 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*

- Deployed and designed a Where's Waldo game with a responsive design, ensuring usability across desktops, tablets, and smartphones

EDUCATION

Western Governors University

May 2021 – September 2021

Masters of Science in Curriculum and Instruction

Salt Lake City, UT

University of Utah

January 2017 – May 2020

Bachelors of Science in Elementary Education w/ STEM Endorsement

Salt Lake City, UT

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, CSS, HTML, and EJS

Frameworks: NextJS, React, and Express

Developer Tools: Node.js, Git, Jest, CLI, Cloud Hosting, Docker, APIs, Github, and npm

Databases: MongoDB