






ANDY RUTHERFORD

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OBJECTIVE

Start my professional career with a company where my education and acquired skills can be utilized to their best to improve the company's overall performance.



EDUCATION

Bachelor's degree, Computer Science | University of Colorado Boulder

- Courses taken include computer systems, data and discrete structures, algorithms, software development methods and tools, user centered design, databases, robotics, graphics, and Linux system administration.

Associate degree, Applied Science | Community College of the Air Force

- Course taken include avionics systems calibration, maintenance data collection, aircraft ground servicing, mechanical principles theory and application, communication and Doppler radar theory.

High School | Lewis-Palmer High School



EXPERIENCE

Personal Projects

- Photomate: MERN stack photo sharing social media network.
- BeerCooler: MERN stack e-commerce web app for beer enthusiasts.
- Expense Tracker: Mobile web app for adding transactions and tracking expenses.

Teaching Assistant for Computer Systems | Univ. of Colorado Boulder

- Worked with students under instructor guidance on topics ranging from computer architecture, binary representations and arithmetic, assembly language (x86), caching, and performance optimization.
- Scheduled and oversaw additional lectures on a weekly basis, allowing students to revisit and reinforce their understanding of difficult topics.

Teaching Assistant for Computer Science | Univ. of Colorado Boulder

- Worked with students under instructor guidance on topics ranging from programming variables, data types, control structures, file operations, functions, objects, and pointers.
- Graded student submissions of programming labs and exams against a rubric including correctness of syntax, proper use of data structures, and inclusion of code comments.

Web Developer Intern | City of Monument, Colorado

- Created and deployed a redesigned town hall website using mainly HTML and CSS.
- Responded to customer technical issues through online ticketing system.



SKILLS

- **Fundamentals** HTML, CSS, JavaScript ES6
- **MERN Stack** MongoDB, Express, React, Node.js
- **Other** Redux, Mongoose, Electron, Heroku, Bootstrap, Git
- Native English speaker, basic knowledge of Spanish
- Great communication and inter-personal skills
- Self-motivated, and flexible in working environments



INTERESTS

My personal interests span a multitude of activities including photography, basketball, and snowboarding. I have had a lifelong passion for traveling, experiencing new cultures, trying new foods, and meeting new people.