

CARISSA HLUCHAN • Front-End Software Developer

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CAREER SUMMARY

Perceptive Front-End Software Developer with a foundation in React, JavaScript, and responsive design. Experience with effective testing practices and passion for designing web applications and improving user experience, blending 10 years of photography experience to enhance visual elements and contribute to creating high-quality, user-centered applications.

SKILLS

Languages/libraries React, React-Router, JavaScript, TypeScript, HTML5, CSS3

Testing: Test-Driven Development (TDD), Unit Testing (Mocha, Chai), Cypress E2E

Workflow: Agile Workflow, GitHub, GitHub project board, GitHub issues, npm, Vite.js, Miro, Canva

Design: Adobe Photoshop, InDesign, Lightroom, Color Theory, Accessibility, UI/UX, Responsive Design

TECHNICAL PROJECTS

Chess With Frienemies | Team project of 11 | React, Router, CSS, Cypress | [Repo](#)

An interactive chess game designed to let players challenge friends with real-time game tracking, move validation, and accessibility-focused UI.

- Created a unique logo using Adobe Illustrator to reinforce the game's branding and improve engagement.
- Wrote 15 components in React within 35 hours handling 6 GET, 3 POST, and 2 DELETE API requests.
- Collaborated with the chess microservice team to integrate their federated service as a remotely accessible React component.

Red Horizon | Team project of 3 | React, Router, VITE.js, TypeScript, Cypress | [Repo](#) | [Deployed Site](#)

Mars exploration app for curious learners to discover images of Mars's surface features.

- Researched and implemented TypeScript and used Postman for API testing.
- Enhanced CSS knowledge by applying advanced techniques like hover and transform.
- Created wireframe and design board using Miro, including user stories, mock data, and DOM tree.

Overlook Hotel | Solo project | vanilla JavaScript, HTML, CSS, Mocha/Chia | [Repo](#) | [Deployed Site](#)

A hotel booking tool, allowing users to search rooms, manage bookings, and calculate bills.

- Implemented robust accessibility features including ARIA elements and manual testing with voice-over tools, to ensure a user-friendly experience for all users.
- Utilized fetch APT network requests, DOM manipulation, TDD, and vercel hosting.

PROFESSIONAL EXPERIENCE

Senior Ophthalmic Photographer

May 2018 - Sep 2022

Sue Anschutz-Rodgers Eye Center - UCHealth

Aurora, CO

- Pioneered a new imaging method for small tumor measurement, increasing accuracy and repeatability.
- Conducted educational meetings on diagnostic equipment, enhancing team proficiency.
- Published photographic work in magazines and peer-reviewed articles, gaining professional recognition.

[AAO-article](#) | [Retina Image Bank](#) | [ASRS image of the week](#)

Certified Retinal Angiographer and Clinical Trainer

Aug 2013 – May 2018

Colorado Retina Associates

Golden, CO

- Authored and revised photographic protocols and training manuals, standardizing procedures.
- Achieved certifications for over 10 clinical trials in 2 months, accelerating research capabilities.

EDUCATION & TRAINING

Accredited Front-End Software Engineering Certificate

November 2024

Turing School of Software and Design

Denver, CO

- 1500 hours of programming over a 7-month intensive, ACCET-accredited software development program.
- Collaborated with multiple teams to build interactive front-end web applications through project-based learning.

Bachelor of Science

Graduated August 2013

Rochester Institute of Technology

Rochester, NY