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 Methodologies, 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, VITE.js, 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.
- Successfully led teams in clinical trial imaging, achieving expedited project timelines.

EDUCATION & TRAINING

Accredited Front-End Software Engineering Certificate   November 2024
  Turing School of Software and Design   Denver, C0
- **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