

NICOLE VAUGHAN

Front End Software Engineer

Broomfield, CO • 608.317.5454 • nicoleannevaughan@gmail.com • LinkedIn: [nicoleavaughan](#) • GitHub: [forsethnic](#)

SUMMARY

Software developer with experience in JavaScript, TypeScript, React, APIs, CSS, HTML, and test-driven development. Former chemist with 10 years of experience in quality and research roles in biotech/pharmaceuticals. Keen eye for detail and analytical mindset to break down complex problems, perform thorough code reviews, and write user design focused code.

SKILLS

Languages/Frameworks: JavaScript, TypeScript, React, Redux, React Router, HTML, CSS

Testing: Mocha/Chai unit testing, Cypress, E2E, test-driven development (TDD)

Tools/Workflow: Git, GitHub, NPM, CI/CD, Agile practices, Figma, project management tools, RESTful and GraphQL APIs, Postman, accessibility, G Suite

UX/UI: User stories and personas

SOFTWARE PROJECTS

Canine Cupid | Group Project | 3 person team | [Repository](#) | [Deployed Site](#) **Nov - 2022**

- Created a multi page 'dating app' written in TypeScript that allows a user to choose a human personality type, swipe through a carousel of potential dog breeds with similar traits to find their perfect adoptable match, and add them to favorites
- Self taught TypeScript to create a novel application using two external APIs and tested all components with Cypress E2E
- Tech Stack:** TypeScript, React.js, Router, Cypress, REST APIs

Parks Passport | Solo Project | [Repository](#) | [Deployed Site](#) **Nov - 2022**

- Built a national parks tracker app to allow a user to search for parks by state or name, view additional info about the park, and add a stamp with date visited to their parks passport to keep track of which parks a user has visited
- Added media queries to make application responsive across multiple different device sizes
- Tech Stack:** React.js, JavaScript, Router, Cypress, REST APIs

Rancid Tomatillos | Paired Project | [Repository](#) | [Deployed Site](#) **Oct - 2022**

- Designed a movie viewing app to allow the user to scroll through movie posters with their tomatillo rating, search by title, then view a single movie page with a swiper carousel of movie trailers and additional movie details
- Utilized Router to create a multi-page UX and tested asynchronous & React components with Cypress E2E
- Tech Stack:** React.js, JavaScript, Router, Cypress

EXPERIENCE

Technical Reviewer, Cambrex, Longmont, CO **May 2020 - Apr 2022**

- Performed an independent technical review in LIMS of all analytical GxP testing results and Empower chromatography data for completeness, over 99% accuracy, and compliance with FDA/ISO regulations per approved standard operating procedures
- Collaborated with a cross functional team of technical reviewers, lab analysts, management, and quality assurance to ensure results and investigations were reviewed quickly to meet overall client deadlines for early stage drug discovery

Research Associate II, SomaLogic Inc, Boulder, CO **Oct 2015 - Mar 2019**

- Synthesized, purified, and characterized oligonucleotides using automated synthesizers and preparative chromatography and mass spectrometry instrumentation
- Optimized methods for higher purification throughput and authored technical documentation to support new lab build out and process scale up in a regulated environment

EDUCATION

Turing School of Software and Design, Denver, CO **Jan - 2023**
Accredited Frontend Software Engineering Certificate, Student Leadership Committee Representative

Colorado State University, Fort Collins, CO **Aug - 2012**
Master of Science (MS) - Analytical Chemistry

University of Wisconsin - La Crosse, La Crosse, WI **Aug - 2010**
Bachelor of Science (BS) - Chemistry with Business Concentration