

Ty Fiero

tyfierodev@gmail.com | (720) 475-6411 | [LinkedIn](#) | [Github](#) | [Portfolio](#) | Lynnwood, WA

Summary

Dedicated and detail-oriented front-end developer committed to producing high-quality, user-focused web applications that engage and delight users. With a strong background in React, Next.js, and UI design, I have developed the skills necessary to work collaboratively in a team environment and deliver innovative solutions that exceed client expectations. As I continue to expand my knowledge of front-end development, I am excited to bring my expertise to a position that will allow me to continue to learn and grow as a developer, while contributing to a dynamic and forward-thinking team.

Skills

Languages: TypeScript, JavaScript

Frameworks: React, React Native, Next.js, TailwindCSS, SASS, p5.js, Node.js, Framer Motion, D3.js

Databases: PostgreSQL, Firebase, Supabase

Other: HTML/CSS, Git, Agile, GPT-3, Redux

Education

BSc in Microbiology, Colorado State University, Fort Collins, CO - Graduation: 12/2017

Online Courses - Web Developer Bootcamp 2022 (Udemy), TypeScript (Udemy), SQL (Udemy)

Experience

Digital Masonry - Seattle, WA | CTO and Fullstack Developer | 08/2021 - 07/2022

Co-Founded a startup that builds useful digital products for consumers.

- Spearheaded all technical decisions, serving as the lead developer and CTO, resulting in the successful launch of Digital Masonry's flagship product.
- Developed a large-scale generative art NFT project using JavaScript and p5.js.
- Led the development of Digital Masonry's flagship product, a web application for generating ideas with React, Next.js, Tailwind, and Firebase.
- Led the development of a web application that generates ideas using AI, featuring a sleek and user-friendly interface.
- Utilized Agile methodology to ensure timely project delivery, and crafted cohesive design systems and branding materials for Digital Masonry's brands.

Washington State Department of Health - Shoreline WA | Microbiologist | 03/2020 - 06/2021

Monitored air samples and promoted safety through quick and effective responses to bioterrorism incidents.

- Analyzed and interpreted complex biochemical data using software and advanced Excel functions to identify patterns and insights.
- Developed new biological protocols and wrote detailed documentation to ensure accuracy and efficiency in testing procedures.

New Belgium Brewing - Fort Collins, CO | QA Microbiologist | 03/2019 - 01/2020

At the second largest craft brewery in the US, I performed microbiological quality tests on beer samples to detect spoilage bacteria and fungi, as well as caring for

- Conducted internal audits on large-scale brewery workflows to ensure that the 300M beers produced annually were not contaminated.
- Created flowcharts and decision trees for key brewery processes, improving communication and collaboration for the team.
- Analyzed QA data to identify trends and areas for improvement.
- Wrote comprehensive documentation for key laboratory processes, streamlining training for new hires.

Poudre River Public Library District - Fort Collins, CO | Computer Lab Monitor | 05/2018 - 03/2019

Expertly assisted library patrons with technical tasks and monitored the computer lab of 50 computers.

- Designed and printed 3D models for patrons and started a new 3D design library class for local kids.
- Increased computer lab user engagement by teaching 3 different training courses.
- Taught patrons a wide range of technical skills and helped 12 homeless patrons get local jobs after assisting them with creating resumes and practicing interviews.

Colorado State University - Fort Collins, CO | Research Associate | 03/2020 - 06/2021

Utilized 3D modeling techniques to analyze evolutionary patterns of frog skeletons and developed groundbreaking genetic tests to detect soil amoeba species that carry pathogenic bacteria.

- Presented research findings at two industry conferences, and was [published](#) in *Evolution* journal.
- Leveraged computer applications and custom Excel sheets to analyze data and perform experiments.
- Independently conducted and analyzed experiments, demonstrating initiative.

Projects

ideaisland - Full-stack AI idea generation web app with CRUD note-taking capabilities.

- React, Next.js, Tailwind CSS, Framer Motion, Firebase, Redux, GPT-3

Adulthood is Hard - iOS & Android task management app with AI features.

- TypeScript, React Native, Expo, Supabase, Sentry

ConsistenSea - New-tab chrome extension for digital habit tracking

- React, TailwindCSS, Framer Motion, Chrome Extension API

Oliver - Interactive AI therapist and relationship coach

- React, Next.js, Tailwind CSS, VoiceRSS

PriceArt - Large-scale crypto price data visualization NFT project

- JavaScript, HTML/CSS, p5.js

Awards & Certifications

2018 - [Research published](#) in *Evolution* journal

2017 - Fraternity President of the Year | Colorado State University

2016 - Dean's list | Colorado State University