

Ty Fiero

Front End Developer

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SUMMARY

Front-end developer with a year and a half of experience in web development technologies, particularly React, Next.js, and UI design. Proven ability to work in a team environment and collaborate to produce innovative and high-quality products. Seeking a position as a Front-end developer to utilize and develop core skills, while expanding into new technologies.

EXPERIENCE

Co-Founder and CTO

Digital Masonry LLC

📅 08/2021 - 07/2022 📍 Seattle, WA

Co-Founded a startup that builds useful digital products for consumers. As the lead developer and CTO, in charge of writing code and making technical decisions.

- Created 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
- Crafted design systems and branding materials for Digital Masonry brands
- Managed project timelines and deliverables using Agile methodology

Microbiologist

Washington State Department of Health

📅 03/2020 - 06/2021 📍 Shoreline, WA

At the department of health, I helped keep Washington safe from bioterrorism by monitoring air samples and responding to incidents and threats.

- Analyzed biochemical data using software and large Excel documents
- Wrote documentation for new biological protocols

Quality Assurance Microbiologist

New Belgium Brewing

📅 03/2019 - 01/2020 📍 Fort Collins, CO

At second largest brewery in the US, I performed microbiological quality tests on beer samples to detect spoilage bacteria and fungi, as well as propagating yeast and calculating yeast dosage.

- Created flow charts and decision trees for key brewery processes, improving communication and collaboration for the team
- Analyzed QA data in Laboratory Information Management Systems (LIMS)
- Wrote documentation for key laboratory processes and updated old documents
- Performed internal audits on large-scale brewery workflows to ensure that the 300 million beers produced annually were not contaminated

Computer Lab Monitor and Librarian

Poudre River Public Library District

📅 05/2018 - 03/2019 📍 Fort Collins, CO

Assisted library patrons with technical tasks and monitored the public computer lab of 50 computers.

- Designed custom 3D printed models for patrons
- Started a new library class for local kids on 3D design using 3D printing pens
- Increased computer lab user engagement by teaching 3 different training courses
- Assisted the homeless by teaching them how to use computers and helped 12 get local jobs after helping them create resumes and practicing interviews

Computer Lab Monitor

Colorado State University

📅 08/2016 - 12/2017 📍 Fort Collins, CO

Ran a computer lab with 40 desktop PC computers, overseeing the printers and computers.

- Reduced printer downtime by implementing troubleshooting workflows for staff
- Assisted students with technology related problems
- Wrote job training documentation for future employees

Research Assistant

CSU Department of Biology

📅 09/2013 - 12/2017 📍 Fort Collins, CO

Used 3D modeling to analyze evolutionary patterns of frog skeletons, and developed genetic tests to detect soil amoeba species that harbor pathogenic bacteria

- Used computer applications and custom Excel sheets to analyze data and perform experiments
- Demonstrated initiative by independently performing and analyzing experiments
- Presented research findings at two industry conferences, and was published in *Evolution* journal in 2018

EDUCATION

B.S. Microbiology

Colorado State University

📅 08/2013 - 12/2017

COURSES

The Web Developer Bootcamp 2022

Udemy - Colt Steele

The Modern JavaScript Bootcamp Course

Udemy - Colt Steele

Understanding TypeScript - 2022 Edition

Udemy - Maximilian Schwarzmüller

The Git and Github Bootcamp

Udemy - Colt Steele

SKILLS

Next.js	React	JavaScript	CSS	HTML
Node.js	Tailwind CSS	Framer Motion		
Firebase	Redux	APIs	Git/GitHub	
Data Analysis	Teamwork	Agile		

PROJECTS

Idealsland

📅 01/2022 - 06/2022

🌐 <https://ideaisland.io>

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

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

CanvasCat

📅 09/2022 - 10/2022

🌐 <https://canvas-cat.com>

AI-powered business model canvas generator

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

ConsistenSea

📅 08/2022 - 09/2022

🌐 <https://tinyurl.com/5n8jjduw>

New-tab chrome extension for digital habit tracking

- React, Tailwind CSS, Chrome API, Framer Motion

Oliver

📅 07/2022 - 08/2022

🌐 <https://tyfiero.com/code/ai/Oliver>

Interactive AI therapist and relationship coach

- React, Next.js, Tailwind CSS, GPT-3

PriceArt

📅 08/2021 - 11/2021

🌐 <https://priceart.xyz>

Large-scale crypto price data visualization NFT project

- HTML, CSS, JavaScript, p5.js, IPFS

PUBLICATIONS

[Trait independence primes convergent trait loss.](#)

Evolution

Tyler S. Fiero, Molly C. Womack, Kim L. Hoke

📅 01/2018 🔗 <https://tinyurl.com/4xxwwfux>

FIND ME ONLINE



GitHub

www.github.com/tyfiero



LinkedIn

www.linkedin.com/in/username



Twitter

www.twitter.com/FieroTy



CodrsRank

<https://profile.codrsrank.io/user/tyfiero>

AWARDS



Deans list



Fraternity president of the year - 2017

PASSIONS



Beautiful user experiences



Life-long learning



Creating and sharing ideas



Using code to create useful things