

CURRICULUM VITAE

RYAN TODD GARZA

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Address and phone number available upon email request.

EXPERTISE

Practical: Systems thinking, Design thinking, Strategic planning
Methodological: DevOps, Agile methodologies, Technical writing
Programming languages: C, JavaScript, TypeScript, Python, Bash, Vimscript, Max/MSP
Markup languages: HTML, LaTeX, YAML, Markdown
Stylesheet languages: CSS, Sass
Front-end: React, Gatsby, Jest, Web Audio API
Back-end: Node.js, Express, GraphQL, REST, SQL, NoSQL
Data science: Numpy, Pandas, Matplotlib
Services: Git, npm, Webpack, Netlify, Contentful

EDUCATION

Expected 2025 Bachelor of Science in Computer Science, Texas Tech University. GPA: 4.0
2020 Diploma in Web Development, BrainStation. GPA: 3.5
2009 Associate of Applied Arts in Commercial Music, South Plains College. GPA: 3.8

CERTIFICATES

2022 Foundations of Leadership, The National Society of Leadership and Success
2021 The Complete Web Dev Bootcamp, The App Brewery

PROFESSIONAL DEVELOPMENT

2022 How to Code: Simple Data, UBCx
2022 C Programming for Beginners, Learn Programming Academy
2022 CS50's Introduction to Computer Science, HarvardX
2022 The Complete Python Pro Bootcamp, The App Brewery
2021 The Complete Web Dev Bootcamp, The App Brewery
2019 Generative Art & Computational Creativity, Simon Fraser University

SOCIETIES & ORGANIZATIONS

Professional

2019-2021 The Society of Composers & Lyricists
2018-2019 American Society of Media Photographers

Academic

2022-Present Google Developer Student Club @ Texas Tech University
2022-Present The National Society of Leadership and Success
2022-Present First Generation Transition & Mentoring Program, Texas Tech University
2009-Present Phi Theta Kappa Honor Society - Alumni
2007-2009 Phi Theta Kappa Honor Society

AWARDS & HONORS

2020 Best Capstone, BrainStation Summer 2020 Web Development Cohort

WORK EXPERIENCE

Web Engineer

Independent Contractor, Lubbock, TX

December 2019 to Present

- Design, develop, test, and deploy digital solutions and properties for startups and mid-scale businesses utilizing Jamstack technologies (Typescript, React, Gatsby, Contentful, Netlify) prioritizing orthogonal reusability and componentization.
- Develop and publish 8 open-source software packages to npm with over 5,400 downloads.
- Develop 5 visual design systems to abstract design decisions away from implementation resulting in less code refactoring.
- Provide continuous software delivery utilizing DevOps practices.
- Focus brand continuity and business logic while optimizing web visibility and search engine optimization to 100% client satisfaction.

Musician, Composer, & Audio Engineer

Contract, Los Angeles, CA | Austin, TX | Lubbock, TX

September 2007 to Present

- Contributed creatively and technically to artistic and commercial projects for independent artists and iconic brands, including Apple, HULU, Reebok, Mercedes-Benz, and more.
- Supported artists and production groups on domestic and international tours as a multi-instrumentalist, averaging more than 120 shows per year.

Company Dancer

Flatlands Dance Theatre, Lubbock, TX

February 2022 to November 2022

- Brought my unique movement background to the creation of 2 new productions.
- Licensed 6 musical works and composed 1 new musical work for company dance films.

Principal Software Engineer

Staycite, Lubbock, TX

April 2021 to August 2021

- Led the technical development of the business concept and supporting software, including the design, development, testing, bug triage, codebase specification and standardization, functional prototyping, and technical documentation of internal and consumer applications, middleware, data stores, and APIs.
- Designed and engineered the company's visual design system, abstracting tech-agnostic YAML tokens in a core package and programmatically compiling SCSS and JSON files via NodeJS scripts to propagate through additional tech-specific and app-specific design system packages resulting in less code refactoring.
- Engineered 4 React buildouts leveraging Gatsby, Formspark, and Contentful in 3 months under weekly deadlines.

Ashtanga Yoga Instructor

HWY 108: Holistic Wellness & Yoga, Lubbock, TX

November 2018 to May 2019

- Established the studio's first traditional Ashtanga Yoga program resulting in increased studio membership.
- Guided student practice 6 days per week for 3 hours per class encouraging safe anatomical alignment.

Fine Art Photographer

Freelance, Lubbock, TX

February 2017 to April 2019

- Developed detailed technical and artistic proficiency in medium format film and digital photographic techniques.
- Managed exhibition logistics and customer transactions of archival-quality prints.
- Applied understanding of digital and print color spaces resulting in optimized image delivery across mediums.

Chief Audio Engineer

Don Caldwell Recording Studios, Lubbock, TX

July 2010 to June 2012

- Led the audio engineering, mixing, and mastering of 9 full-length projects and over 20 EP/Single projects.
- Redesigned the studio signal flow by installing 2 96-point patchbays to minimize capacitance from excessive cable runs.
- Proposed and transitioned the studio to industry-standard software resulting in increased clientele.
- Collaborated with producers, artists, and musicians to highlight their skills and capture technically sound recordings.
- Learned golden age recording techniques on digital and 2-inch tape formats.

PROJECTS

Svara

- A generative music system based on the traditional rules of Hindustani ragas.
- System libraries are built with JavaScript. The GraphQL API is built with NodeJS, Express, and Apollo Server. The web application is built with React and Webpack leveraging the Web Audio and Canvas APIs.
- Awarded BrainStation Summer 2020 Web Development Cohort - "Best Capstone"

ttu-textbooks

- A web application built with Gatsby and React that queries an ongoing student survey using the Google Forms API to provide up-to-date data concerning the impact rising course material costs have on academic performance at Texas Tech University.

Warbly

- An open-source JavaScript component library for digital audio synthesis built on top of the Web-Audio API.

Wiki

- A personal wiki site built with Vimwiki and Gatsby that utilizes Glt hooks for automated commits and pushes for continuous deployment via Netlify, programmatic page builds, and global document search.

PUBLICATIONS

Single-authored unless otherwise indicated

Online Articles

- | | |
|------|---|
| 2021 | 'Cleaner JavaScript with destructuring.' <i>JavaScript in Plain English</i> . January 17, 2021 |
| 2021 | 'Bootstrap Client-Side Git Hooks for Version Control.' <i>JavaScript in Plain English</i> . April 20, 2021. |

VOLUNTEER WORK

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| 2022 | Dancer, The Nutcracker, Ballet Lubbock |
| 2022 | Volunteer, Encore: The Backstage Bash, Ballet Lubbock |
| 2022 | Dancer, Cinderella, Ballet Lubbock |
| 2021 | Dancer, The Nutcracker, Ballet Lubbock |
| 2017 | Musician, Click, Ballet Lubbock |

Last updated: November 17, 2022