

Taylor Bleizeffer

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www.taylorbleizeffer.com | GitHub: <https://github.com/tbzeff>

PROFILE

Creative and technically versatile software developer with a background in computer science, research, and music technology. Skilled in a broad set of languages and frameworks, with experience in procedural generation, academic research, and full-stack development. Combines analytical thinking with creative exploration through collaborative and self-directed projects. Seeking opportunities where curiosity, interdisciplinary work, and technical growth intersect.

EDUCATION

Bachelor of Science in Computer Science

University of Wyoming — 2020 | GPA: 3.0

Associate of Science in Computer Science

Casper College — 2017 | GPA: 3.0

High School Diploma

Kelly Walsh High School, Casper, WY — 2014 | GPA: 3.0

TECHNICAL SKILLS

Languages: C++, Java, C#, Python, Kotlin, Haskell, JavaScript, TypeScript, Ruby, HTML, CSS

Frameworks/Tools: React, Git, SQLite, Bubble.io, Node

Development: Android, Networking, Procedural Generation, Version Control

Creative Tools: DAWs, ChatGPT, MIDI Programming

Other: GitHub Project Management, Web Scraping, Music Tech, UI/UX Design

PROFESSIONAL EXPERIENCE

Part-Time Software Developer (Contract)

SLP.tools — Present

- Developed and maintained features using Bubble.io for client-focused web tools
- Implemented front-end modules including Favorites and Tooltips
- Implemented admin-facing modules including Log page improvements and User Editing additions.
- Collaborated in sprint-based development cycles with version-controlled deployments

Laboratory Technician

Standard Laboratories Inc. — Jan 2024–June 2024

- Conducted ASTM-compliant analyses on coal samples
- Calibrated and maintained lab equipment; logged reagent and QC data
- Authored technical documentation and participated in QA trend analysis

Assistant Researcher (NSF REU)

Rochester Institute of Technology — May 2019–August 2019

- Created a Ruby-based web scraper to gather citation data from computer science papers
- Analyzed the relationship between disciplinary diversity in citations and research impact
- Used linear regression to investigate citation patterns; results were inconclusive but highlighted methodology for future meta-research

Video Technician

University of Wyoming Outreach School — Sept 2014–June 2015

- Operated and troubleshoot AV systems to support remote lectures
- Managed live transitions, visuals, and streaming logistics for instructors

PROJECTS & RESEARCH

Senior Capstone Project – Procedural Music Generator

University of Wyoming, 2020

- Developed a probabilistic, procedural music generator that processes MIDI input and produces new music inspired by the Wave Function Collapse (WFC) algorithm
- Designed a key-detection system to intelligently introduce new notes not present in the source file
- Gave users fine-grained control over tonal novelty and output complexity

Chatroom Web App

GitHub Link: <https://github.com/tbzeff/my-chatroom-app>

- Built a real-time chatroom application using React, Socket.IO, and Node.js
- Includes active user status, emojis, and minimalist design
- Designed for fast deployment and extensibility

Haskell-Based Music Generator

GitHub Link: <https://github.com/tbzeff/Haskell-Music-Generator>

- Created a music generator in Haskell using functional paradigms
- Encoded pitch, rhythm, and amplitude envelopes to generate evolving musical structures

CREATIVE WORK

Guitarist — getbent. (Jan 2025 - Sep 2025)

- Co-manage band social media and merchandise
- Compose, rehearse, and record original music; handle promotion and logistics
- Perform live shows, record albums, and collaborate on creative direction

Bassist — Fathom All the Animals (2015–Present)

- Co-manage band social media and merchandise
- Compose, rehearse, and record original music; handle promotion and logistics
- Perform live shows, record albums, and collaborate on creative direction

ADDITIONAL EXPERIENCE

Gas Station Clerk

Homax Oil Sales, Inc (Sinclair) — Nov 2024–Current

Sandwich Steward

Lou's Italian Specialties — Jan 2023–Aug 2023

Delivery Driver

Jimmy John's, Domino's, DoorDash — 2017–2019

Front Desk Clerk

C'mon Inn Hotel & Suites — June 2015–Dec 2015

INTERSHIPS & INSTITUTES

- NSF REU in Software Engineering Research — RIT, 2019
- School of Energy Resources Camp — University of Wyoming, 2012, 2013
- Awakening Internship — Antioch Church, 2011, 2012

REFERENCES

Professional:

- Yi Wang – Professor, RIT — oliver.wangyi@gmail.com
- Mehdi Mirakhorli – Professor, RIT — mxmvse@rit.edu
- Gaike Schlotterbeck – Casper, WY – 307-394-1987
- Auston Larson – Software Developer – 307-680-6317

Personal:

- John Scozzafava – Financial Advisor, Edward Jones — 307-399-5804