

CHRISTOPHER (CHRIS) MARSTON

COMPUTER SCIENCE STUDENT

GitHub (KrisAirdancer): <https://github.com/KrisAirdancer>

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Website: <https://krisairdancer.com>

EDUCATION

BS Computer Science – University of Utah, Salt Lake City, UT

January 2021 – Present
(planned graduation December 2024)

BS Anthropology – University of Utah, Salt Lake City, UT

August 2014 – May 2019

WORK EXPERIENCE

Bluestaq – Colorado Springs, Colorado

> Secure data management for classified and unclassified data.

Software Engineering Intern

June 2023 – Present

- Data Validation Scripts
 - Developed Groovy and Java scripts to validate ingested data against the relevant published data standards and to deliver human-readable error responses to data providers.
 - Integrated validation scripts into existing data processing/parsing scripts.
 - Integrated scripts into existing NiFi flows to ensure that all ingested data is validated, proper response codes and notifications are sent, and processing speed is maintained.
- Data Processing Script Refactoring
 - Refactored data processing scripts to use updated Java data objects for data parsing and storage.
- Frontend & Backend Testing
 - Tested customer facing data portal Rest API to ensure that all endpoints conformed to required specifications.
 - Tested customer facing data portal frontend for basic UI bugs, usability issues, and typos.
- Technologies: Java, Groovy, NiFi, Postman, & REST APIs

Full-Stack Web Development Intern

June 2022 – August 2022

- Secure File Transfer Portal
 - Developed a web-based secure file transfer web portal for transferring files between internal and external users using JavaScript, Vue.js, and Node.js.
 - Integrated the file transfer system with AWS S3 for file storage and transfer.
 - Integrated the file transfer system with Bluestaq's company policy enforcement point email client to send download links to recipients
 - Presented final project to company leadership, developers, and owners for project pass-off at the end of the summer.
 - Dockerized the file transfer project for deployment on Kubernetes cluster.
- Technologies: JavaScript, Node.js, & Vue.js with a sprinkling of HTML, CSS, AWS S3, & Docker.

PROJECTS

Vidya Intarweb Playlist Clone – <https://github.com/KrisAirdancer/vidya-clone> (2022-2023)

> A clone of the “moderately popular and relatively unique” video game music playlist, the Vidya Intarweb Playlist.

- Created a nearly identical clone of the Vidya Intarweb Playlist’s frontend UI and backend functionality.
 - Functionality includes: play/pause, play next/previous, replay track, movable controls box, collapsible header menu, playlist selection, volume control, favorite tracks (these play more often), block tracks (these never play), import/export favorite and blocked tracks, and percent chance that favorite tracks play.
- Demo: <https://krisairdancer.github.io/vidya-clone/> Original: <https://www.vipvgm.net/>
- Technologies: HTML, CSS, JavaScript, & JSON.

Personal Website – <https://github.com/KrisAirdancer/krisairdancer-dot-com/tree/main> (repo) (2022-Present)

> A simple personal website built and hosted on my Raspberry Pi.

- Built a simple website using Node.js, Express.js JavaScript, HTML, and CSS that is currently being hosted on an NginX server on my Raspberry Pi.
- Demo: <https://krisairdancer.com> (~95% uptime, county internet depending)
- Technologies: HTML, CSS, JavaScript, Node.js, NginX, & PM2.

Legos Through the Ages – <https://github.com/KrisAirdancer/6630-lego-set-visualizer> (2022-Present)

> A data visualization website showcasing how Lego sets have changed between 1949 and 2022.

- Built a data visualization website using D3.js with a partner for our Visualization for Data Science class.
- This project required us to evaluate open-source data sets to find one with interesting trends and insights, then design and implement a set of visualizations that could effectively communicate those trends to others.
- Project voted “[top 4 best projects of 2022](#)” by the course professor and teaching staff.
- Demo: <https://krisairdancer.github.io/6630-lego-set-visualizer/index.html> (allow ~5 seconds to load data)
- Technologies: HTML, CSS, JavaScript, & D3.js

Golden Ramen Bowl Blog Clone – https://github.com/KrisAirdancer/Golden_Ramen_Bowl (2022)

> A clone of my wife and I’s WordPress blog (goldenramenbowl.com) built using JavaScript, Node.js, and MongoDB.

- Developed a multi-page website with paginated posts page as the landing page and static pages for individual posts, About, and Contact pages.
- Built password protected Admin pages using Passport.js: pages with forms for writing and updating posts, a page for managing existing posts, and a page that lists the email addresses of mailing list subscribers.
- Integrated with MongoDB to store posts.
- Technologies: JavaScript, Node.js, MongoDB, HTML, & CSS.

OTHER WORK EXPERIENCE

Salt Lake Recruiters – Salt Lake City, Utah

> Sourcing and placing talent for technology and engineering companies across the USA.

Technical Recruiter

May 2019 – December 2020

- Develop and execute a marketing plan to generate new business for the firm.
- Negotiate contracts with prospective client companies.
- Present new candidates to existing clients and provide clients with updates on candidates in the interview process.
- Source and interview candidates for openings at client companies.
- Work with prospective candidates to find the right position for their skillset.
- Act as an intermediary during candidate-client employment contract negotiations.

Center for Global Surgery – Salt Lake City, Utah

> Seeks to improve access to safe, effective, and affordable surgical care around the world.

Podcast Development & Scheduling Intern

January 2019 – May 2019

- Generate interview leads for Surgical Circle podcast.
- Schedule and conduct interviews for the Surgical Circle podcast.
- Conduct and record podcast interviews.
- Edit and cut together audio recordings into a finished podcast episode using Adobe Audition.
- Schedule meetings for the Center for Global Surgery team via email.

Eaton Alliance – Salt Lake City, Utah

> Provides care for youth and adults with mental and physical disabilities in group homes.

Direct Care Staff

May 2017 – August 2017

- Encourage clients to engage in socially appropriate behaviors
- Ensure client safety in their home and on outings
- Assist clients in taking their medications on time and in the appropriate manner
- Assist clients in building quality relationships with members of the community

Vickers Lab – Salt Lake City, Utah

> Entomology (the study of insects) lab researching the neurology and behavior of moths and mosquitos.

Lab & Research Assistant

April 2017 – May 2019

- Design exploratory study on the effects of atmospheric turbulence on female mosquito behavior.
- Deploy experimental equipment in the field and monitor data recording.
- Analyze and distill data from research study and present findings at a symposium.
- Create mating colonies with egg collection sheets for moths to lay eggs.
- Transfer moths from emerging jars to mating colonies.
- Collect, process, and store previous week's egg sheets in preparation for hatching.
- Sort pupae by sex before populating new emerging jars with pupae.
- Clean/sanitize fume hood, work bench, and equipment.

VOLUNTEER EXPERIENCE

Community Nursing Services – Salt Lake City, Utah

> Provides high quality end of life care to the unique individuals of our community.

Hospice Volunteer

July 2016 – October 2019

- Provide respite to patients' family members
- Provide company to patients whose family is unable to visit often
- Assist patients on walks and in other activities

Jordan High School Mountain Biking Race Team – Salt Lake City, Utah

> Teach HS students the skills needed for a life of safe and rewarding riding.

Volunteer Mountain Biking Coach

June 2012 – November 2017

- Work with the Head Coach to plan and lead team rides/practices.
- Teach new riding skills to student riders.
- Teach bicycle maintenance skills to student riders.
- Advise riders on bike and gear selection.
- Respond to and solve mechanical problems on the trail.
- Handle injuries using wilderness first aid training.
- Set up tents and bike racks in the pit zone for races.
- Support the Head Coach during races to ensure student athletes perform at their best.