Christopher (Chris) Marston

github.com/KrisAirdancer | linkedin.com/in/chris-s-marston | csmarston.com

EDUCATION

BS Computer Science – University of Utah | Salt Lake City, UT   *Jan 2021 – May 2024 (planned)*
BS Anthropology – University of Utah | Salt Lake City, UT   *Aug 2014 – May 2019*

WORK EXPERIENCE

BLUESTAQ | Software Engineering Intern   *Jun 2023 – Aug 2023*
- Worked on a team of two to develop Groovy (Java) scripts to pre-process and validate data before storing it in the company's databases, thereby ensuring data integrity for data consumers.
- Scripts were designed to efficiently validate incoming data and improve data provider experience by providing them with human-readable error responses via HTTP responses or via email.
- Technologies: Java, Groovy, NiFi, Postman, REST APIs

BLUESTAQ | Full-Stack Web Development Intern   *Jun 2022 – Aug 2022*
- Developed a secure file transfer web portal for transferring files between internal and external users.
- Technologies: JavaScript, Node.js, Vue.js, HTML, CSS, AWS S3, Docker

PROJECTS

EcoSim | C# · Unity   *Aug 2023 – Present*
- EcoSim is a package for Unity games that allows developers to quickly build immersive economies with item prices that respond to supply, demand, and other factors.
- Over two semesters, our team of four designed and built a fully functioning economic simulation algorithm, Unity tools, and a graphical visualizer that can be imported directly into Unity as a dependency.
- My primary responsibility was for the design and implementation of the core simulation algorithm.

Compound Interest Calculator | demo | React.js · Bootstrap · JavaScript · HTML · CSS   *Jan 2023*
- A compound interest calculator web app built to learn React.js and Bootstrap.

Personal Website | JavaScript · Node.js · Express.js · HTML · CSS · NginX · Passport.js   *Aug 2023*
- A personal website and blog built with Node.js and Express.js, an admin portal built with Passport.js, and deployed to a Raspberry Pi with an NginX proxy.

Vidya Intarweb Playlist Clone | demo | JavaScript · HTML · CSS · JSON   *Jun 2023*
- A clone of the UI and logic (JS) of an online video game music audio player with a relatively unique UI.

Legos Through the Ages | demo | D3.js · JavaScript · HTML · CSS   *Dec 2022*
- A data visualization website showcasing how Lego sets have changed over time built with D3.js as a final project for my Visualization for Data Science (CS 4630) class.
- Project voted "top 4 best projects of 2022" by the course professor and teaching staff.

TECHNICAL SKILLS

Languages: C#, Java, JavaScript, Python, HTML, CSS
Frameworks: React.js, FastAPI, Node.js
Tools: Git, Postman, Bootstrap
Notable Courses: Databases (SQL), Web Dev II, Computer Security, Algorithms, Visualization for Data Science