

# Christopher (Chris) Marston

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## EDUCATION

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**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

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### **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

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### **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.

### **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

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**Languages:** C#, Java, JavaScript, Python, HTML, CSS

**Frameworks:** Node.js, Express.js, React.js

**Tools:** Bootstrap, Git, Postman

**Notable Courses:** Databases (SQL), Web Dev II, Computer Security, Algorithms, Visualization for Data Science