Christopher (Chris) Marston

Computer Science Student

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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**

- Developed Groovy (Java) scripts to validate ingested data and to deliver human-readable error responses to data providers.
- Refactored data processing scripts to use updated Java data objects for data parsing and storage.
- Tested and debugged customer facing APIs and UI.
- 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**

- An economy simulation engine for Unity games with realistic pricing, trading, and economic events.
- Built on a team of 4 as our senior capstone project.
- My responsibility was for building the economic 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.

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.

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.

TOOLS, TECHNOLOGIES, & COURSES

Languages: JavaScript. Python, C#, Java, HTML, CSS, C, C++

Technologies: Node.js, Express.js, React.js, Bootstrap

Tools: Git, Postman

Courses: Databases (in-progress), Web Dev II (in-progress), Computer Graphics, Programming Languages, Computer Security, Algorithms, Software Practice I & II, and Visualization for Data Science