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my portfolio

Sarah Bateman

📍 Salt Lake City, Utah

✉️ SarahBateman22@gmail.com

📞 (425) 681-2305

🌐 Github.com/SarahBateman22

🌐 SarahBateman22.Github.IO

🌐 LinkedIn.com/in/Sarah-Bateman-281711193

JUNIOR SOFTWARE ENGINEER

I am an aspiring software engineer pursuing a Master's in Software Development at the University of Utah, seeking an internship in the software field for the Fall of 2024. I am eager to apply emerging programming skills and a growth mindset to contribute effectively to software projects and continuously expand technical expertise.

EDUCATION

Master of Software Development

University of Utah

Projected Graduation: December 2024 GPA: 4.0

16-month Graduate program designed to produce proficient full-stack software engineers.

- Software Development Club

Bachelor of Hospitality Management

Utah Valley University

January 2019 - May 2021 GPA: 3.93

Four-year degree in Hospitality and Business Administration (expedited).

- Statistics Tutor

SKILLS

Java, C++, JavaScript, Python, C#, HTML, CSS, SFML, JavaFX, QT, JUnit, Catch2, SQL, GitHub

PROJECTS

DNS Resolver - Custom Domain Name System resolver. Supports a cache to keep track of recent searches, forwards unknown queries to Google DNS. Java

TLS - Implements a simplified TLS protocol, focusing on secure communication using RSA, AES-CBC, HMAC, and Diffie-Hellman key exchange. Java

MSDscript - Interpreter supports dynamic parsing, evaluation, and printing of user input. C++, Catch2 Testing

Chat Room - Multithreaded server enables real-time chat, file serving, and WebSocket communication for interactive web applications. Java, JavaScript, HTML, CSS

Brick Breaker - Game implements dynamic changes with real-time collision detection and responsive graphics rendering. C++, SFML

PROFESSIONAL EXPERIENCE

Edison House SLC

April 2023 - Present

Fine Dining Server

- Current part-time employment while pursuing a Master's degree in Software Development
- Joined the company five months after opening - shared insights from Hospitality Management studies to enhance service standards
- Food and beverage service, member recognition, executing events

Montage Hotels & Resorts

December 2022 - March 2023

Food and Beverage Manager - Seasonal

- Opened two new Food & Beverage outlets for the resort within first month of employment
- Trained ten international work & travel employees how to operate in their first restaurant jobs
- Maximized profitability by creating weekly schedules while reviewing Daily Labor and Daily Revenue Reports with forecasted occupancy

Marriott Vacations Worldwide

October 2021 - December 2022

Front Desk Manager

- Recruited, hired, and onboarded new associates for multiple departments on site
- Created the new standard training manual for Activities and Front Desk departments
- Managed guest issues, resolution, and compensation to ensure positive post-stay feedback (consistently a top performer in employee recognition by guests)