John (Jack) Hale

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CAREER PROFILE

Software Engineering candidate and accomplished leader, experienced in solving complex problems collaboratively. Strong foundation in algorithms, data structures, and software design with a track record of consistently meeting challenging project deadlines in fast-paced, agile environments. Committed to delivering excellent results, while working to create an inclusive, growth-oriented atmosphere.

Language Fluency: Java, C, C++, Bash

Other Technologies: Git, React, REST, Spring

Databases: MySQL, MariaDB

Operating Systems: Linux, macOS, Windows

EDUCATION

BAYLOR UNIVERSITY, Waco, TX – Bachelor's of Science in Computer Science   **May 2023**

- Wacode - Winner of Experienced Bracket (April, 2023): Developed a serverless app using React, MaterialUI, and Firebase to generate visualizations of projected sea level rise in user-selected cities based on their carbon habits
- Experience leading multiple development teams in academia using agile methodologies
- Relevant Coursework: Data Structures and Algorithms, Database Design, Data Communications, Operating Systems, Computer Architecture, and Cybersecurity

EXPERIENCE

BAYLOR UNIVERSITY, Waco, TX   **Spring 2023**

Undergraduate Research Assistant

- Wrote *SAR for Microservice Systems Using GraalVM Native Image* which was submitted to ASE 2023
- Developed language-agnostic microservice intermediate representations for an Oracle-backed project using GraalVM, Graal, Native Image, and Graal-Prophet
- Implemented static bytecode analysis of the intermediate representations to allow for anti-pattern detection and cyclic dependency discovery within microservice intermediate representations
- Developed a visualization tool to showcase service dependency graphs and system context insights derived from the language-agnostic microservice intermediate representations effectively

OMNI INTERACTIONS, Denver, CO   **Summer 2022**

Software Engineering Intern

A business process outsourcer that connects remote workers with leading brands to deliver cost-effective and reliable virtual customer experience solutions

- Processed flows including UX interactions to identify bottlenecks and further optimize the product
- Presented analytics and potential solutions to management in a clear digestible manner
- Focused on ease of use, clarity, and a streamlined experience for applicants to increase yield

EVERLANE, Menlo Park, CA   **Summer 2021**

Associate

A clothing retailer on a mission to provide ethically produced, environmentally-friendly fashion

- Received manager and customer praise for friendly service and clear communication, managed inventory, and exceeded sales targets
- Assisted a change in management by supervising and training new hires

IN-N-OUT, San Carlos, CA   **Fall 2016 – Summer 2019**

Level 6 Associate

- Promoted from Level 1 to Level 6 Associate fastest under current management
- Recipient of the In-N-Out Award for Exemplary Customer Service
- Provided excellent customer service as a cashier, exceeding expectations and standards

ADDITIONAL

- Enjoys community service, story-based video games, Labradoodles, traveling, and hiking