Shane Webb

shanewebb4@gmail.com | 385.237.9571 | 140 University Village, Salt Lake City, UT

Work Experience

True Adherence
Salt Lake City – Software Engineer Intern
Salt Lake City, Utah
Apr 2021 – Dec 2021

Front End – Designed and implemented new features and pages for the Gym Kiosk using Angular

Firebase – Integrated Firebase functionality into several components of the app

Algorithms – Designed exercise algorithms for body tracking for use with the Azure Kinect Camera that resulted in more consistent tracking and expanded the roster of tracked exercises.

Kate's Keys Piano Studio,
Salt Lake City – Owner/Operator
Salt Lake City, Utah
Jul 2015 – Present

Entrepreneurial Drive: Founded a piano studio specializing in travel lessons which grew to 80 weekly students in 2 years. Used profits to fund Master of Software Development program to pay off all tuition/fees before graduation.

Results Oriented: Optimized pricing strategy based on willingness-to-pay, resulting in 2x monthly revenue increase

Technology and Customer Focused: Created a custom piano curriculum from existing methods that improves student growth and tracks progression, resulting in ~10% improvement of the bottom 5% of students. Designing and developing web apps for teacher aids and student development.

Education

University of Utah
Master of Software Development
Salt Lake City, Utah
Aug 2020 – Dec 2021

GPA: 3.80

Curriculum: Nearly 50% of the program was focused on Java/Kotlin, Javascript/NodeJS languages/projects. Remaining portion of program focused on C/C++, HTML, and Python, and Frameworks – React, Bootstrap, Angular

Coursework: Computer Programming (CS 6011), Data Structures & Algorithms (CS 6012), Software Engineering (CS 6015), Hardware Architecture & Operating Systems (CS 6013), and Database Systems & Applications (CS 6016)

University of Utah
Bachelor of Kinesiology
Salt Lake City, Utah
Aug 2016 – Apr 2020

Academic: U of U Dean's List and National Honor Society Member as a student of the Kinesiology Program

Volunteer Work: Research student at University of Utah Hospital 2017-2019; Patient needs aid at University of Utah Orthopedic Center 2017-2018; Teacher at University of Utah Outreach Program 2017-2018

Software Projects

Java: Developed an HTTP server and corresponding chat application that can be run locally, in a browser, or on an Android device, and is multithreaded and keeps message history of all communications for all users

JavaScript: Developed a webclient for the chatserver I created in Java, which utilized Javascript to connect to the server and move messages to the top of the screen based on chronology and favorited individuals.

Kotlin: Developed a "lifestyle" Android app to keep track of an individual's weight, BMI, and other health statistics; app also has functionality to promote healthy lifestyle based on location - current weather, nearby hiking trails, etc.

Security: Developed a custom implementation of TLS in 3 weeks, that sends encrypted messages between hosts

Data Structures and Algorithms: Developed custom implementations of several data structures & algorithms, including a binary search tree chaining hash table that resulted in ~10% fewer collisions than linked hash table

React: Developed a web app that dynamically creates music worksheets based on desired user outcomes; currently adding a backend support to save worksheet configurations and manipulation for frequent reuse across students.

Additional Information

Interests: Fluent in Spanish, avid pickleball player, VR aficionado, and self-proclaimed pizza and burger chef