

Taylor West

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PROFESSIONAL EXPERIENCE

Pattern | Ecommerce Acceleration

Aug. 2023 – May 2024

Backend Software Engineering Intern

Lehi, UT

- Designed and implemented a major project which added the ability to store complex corporate relationships to an existing PostgreSQL database managed by Ruby on Rails
- Collaborated with Product Managers and Project Managers to define, create, track, and complete time-sensitive and high-importance tickets in a fast-paced and high-performing environment
- Followed best practices in writing unit and integration tests (RSpec) as well as Swagger documentation as part of an automated CI/CD pipeline
- Coordinated with off-site and overseas teams to ensure smooth progress of projects

BYU Dining Technology

Aug. 2022 – April 2023

Software Developer

Provo, UT

- Employed Agile methodologies while working with a team of developers to design, build, debug, and deploy in-house applications used by hundreds of university faculty and students
- Led an initiative to create Tizen and Android digital signage applications that saved the department thousands of dollars per quarter
- Learned and used the Microsoft Azure suite to create processes and pipelines for a mobile ordering system

Bailey Bioinformatic Lab (BYU)

Jan. 2022 – Oct 2022

Research Assistant

Provo, UT

- Collaborated with the Huntsman Cancer Institute at University of Utah to develop a R-Shiny web app tool that generates and visualizes Polygenic Risk Scores from multi-omic oncological data
- Developed predictive and data-driven tools that utilizes machine learning and linear algebra to analyze genomic and proteomic data from cancer organoids

EDUCATION

Brigham Young University

Aug. 2019 – Apr. 2024

Bachelor's Degree, Bioinformatics

Provo, UT

- Selected for the Phi Eta Sigma national honor society; 3.7/4.0 GPA
- Developed a Java backend for an Android application that used AWS cloud technologies to host, route, and run RESTful services following enterprise software design principles
- Designed and implemented algorithms in a performance-sensitive context, utilizing principles such as Divide and Conquer, Dynamic Programming, and Greedy Algorithms.
- Developed a full-stack android application in Java that connected a SQL backend server with a native Android frontend client utilizing custom Web APIs
- Used JavaScript (Node.js, Express, Vue) to build dynamic web pages that interact with both SQL (SQLite) and NoSQL (MongoDB) databases

SKILLS

Ruby on Rails, AWS SNS/SQS, PostgreSQL, Python, Java, MySQL, SQLite, NoSQL databases, MongoDB, full stack Android development, AWS Lambda, AWS DynamoDB, Visual Studio Code IDE, IntelliJ IDE, Android Studio, Git, Object Oriented Programming