Ryker Blake Swensen

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EDUCATION

Brigham Young University - Idaho   Est. Graduation December 2023

Bachelor of Science in Software Engineering   Rexburg, Idaho

WORK EXPERIENCE

April 2023 – Present

BYU-I Bootcamp Course Designer

Software Engineer   Rexburg, Idaho

- Designed a web application to introduce high school students to programming.
- Creating a framework of a website so the students can focus on introductory topics.
- Helping students build their own customized web applications with our assistance.

BYU-I Database Design & Development TA   January 2023 - Present

Teachers Assistant   Rexburg, Idaho

- Assist students with questions regarding SQL.
- Give thorough feedback regarding what is done well, and what could be done to improve.
- Monitor emails and chat groups to make sure students are assisted in a timely manner.
- Communicate with students and instructors to ensure standards are met.

BYU-I CIT/CSE Drop-in Lab Volunteer   January 2023 – May 2023

Volunteer   Rexburg, Idaho

- Teach and guide students on course materials or projects they are struggling with.
- Assisting students with personal projects.

PERSONAL PROJECTS

LinkedIn Email Scraper

- **Created a Python script using Pandas and Neattext to pull LinkedIn emails from a Google search. Then Streamlit was used to host the script.**
- **https://github.com/RykerSwensen/Python-Streamlit-Scraper/blob/master/scrape.py**

Bountiful Foods Website

- **Designed and created a webpage for a potential smoothie store. This website allows for users to create custom smoothies, see the nutritional information of their order, and more information about the business.**
- **https://rykerswensen.github.io/BountifulFoods/**

Stedi Mobile App

- **Created a Stedi application to pass tokens for user logins. This application allows the user to enter their phone number, receive a one-time passcode via SMS, and then able to login to the application with the one-time SMS verification.**
- **https://github.com/RykerSwensen/StediMobileApp**

Arduino BMI Calculator

- **Created a BMI calculator using a simple Arduino. The user enters their weight and height and has their BMI calculated.**
- **https://github.com/RykerSwensen/ArduinoProject**

First-Person Aim Trainer

- **Using Python and the Ursina library, I have begun to develop an FPS aim trainer. The user has first-person movement, the ability to shoot targets, and the ability to grapple onto certain game objects.**
- **https://github.com/RykerSwensen/FPS**