Ryan Strickler

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Portfolio: https://ryans93.github.io/

Summary

Web Developer with Associate's degree in Computer Science. Earned certificate in Full-Stack Web Development through the University of Central Florida. Worked as an intern at Lockheed Martin for one year. Experience developing applications both individually, as well as in an Agile/ Scrum environment. Methodical problem solver and eager to learn new skills.

Education

Associates Degree
Valencia College, Orlando, FL
- Major in Computer Science
- Graduated as a member of Phi Theta Kappa

Full-Stack Web Development Certificate
University of Central Florida, Orlando, FL
- An intensive 24-week course developing MERN stack web applications
- Skills learned included HTML, CSS, javascript, jQuery, SQL, Firebase, mongoDB, nodeJS, express, and React

Technical Skills

Languages: nodeJS, javascript, HTML5, CSS3, C#, C, java
Frameworks: jQuery, Bootstrap, ExpressJS, ReactJS, .NET
Databases: Firebase, MongoDB, SQL, SQL Server, Sequelize, Mongoose
Other: GIT, AJAX, JSON, Rest API's, MVC, JIRA, Agile, object-oriented design

Projects

Blood Sugar App
- An app for type 1 diabetics that performs insulin dosing calculations and stores blood sugar readings
- Front-End technologies used include: HTML, Bootstrap, and jQuery
- Firebase Realtime Database used for data storage
- Features:
  - Generates critical values such as Insulin:Carb ratio based off of user's weight and activity level
  - Calculates insulin doses and timing for meals, as well as calculate active insulin
  - Records blood sugar readings as well as showing averages for ranges between 7-180 days
  - Allows users to create and edit meals, saving key data such as carbohydrate content

- https://github.com/ryans93/Blood-Sugar-App
- https://ryans93.github.io/Blood-Sugar-App/

Diabetes App
- An app that performs insulin dosing calculations, and allows unique user customizations
- Front-End technologies used include: ReactJS, Bootstrap, and jQuery
- Back-End technologies used include: ExpressJS, nodeJS, and MongoDB
- Features:
    - Allow users to create accounts or login to an existing account
    - Calculates insulin dosages for meals as well as active insulin
    - Calculates basal insulin dosages and basal insulin rates for pump users
    - Allows user to edit and customize various settings such as target blood sugar
    - Warns user if high or low blood sugar is detected
- https://github.com/ryans93/Diabetes-App
- https://ryan-strickler-diabetes-app.herokuapp.com/

Debt Optimizer
- An app the allows users to enter different loans to calculate an optimal payoff method
- Front-End technologies used include: HTML, CSS, Bootstrap, and jQuery
- Back-End technologies used include: nodeJS, express.js, Passport, and MySQL
- Features:
    - Allow users to create accounts or login to an existing account
    - Users can save different types of loans to their account
    - Allows user to input an available amount to pay each month
    - Calculates an optimal method for user to pay off debt as efficiently as possible
- https://github.com/ryans93/Dept-Optimizer
- https://ryan-strickler-debt-optimizer.herokuapp.com/

Experience

Web Development Teaching Assistant
Trilogy Education / Orlando, FL / September 2019-Present
- Assisted students with developing and debugging MERN stack web applications
- Mentored students in topics such as nodeJS, MySQL, ReactJS, and basic computer science concepts

Intern Software Developer
Lockheed Martin / Orlando, FL / July 2018-August 2019
- Developed and debugged C# application used by the Optics Department for scheduling production
- Converted old WPF application to web service using C# and ASP.net
- Migrated application from SQL database to SAP
- Collaborated with engineers to improve scheduling algorithms and add new features