

## **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