JOHN BURNS

Software Engineer

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EDUCATION

Bachelor of Science in Computer Science

University of Massachusetts Amherst, Commonwealth Honors College

📅 May 2020

GPA
3.3 / 4

PROJECTS

ReflectMe Tech

Personal Project

📅 10/2019 - Present   🔗 https://github.com/johnb1003/ReflectMe   🔗 https://reflectme.tech

- Created a customizable smart mirror platform with a focus on motivating users to achieve personal fitness goals
- Initialized PostgreSQL backend to keep track of user account information and physical activity schedules
- Configured a Spring Boot REST API with JSON web token-based authentication and authorization
- Designed a total of eight unique and responsive web pages using HTML, CSS, and jQuery

EleNa

CS 520: Theory and Practice of Software Engineering

📅 1/2020 - 5/2020   🔗 https://github.com/eric60/Spring-Elevation-Navigation-System

- Participated in full-stack development of an elevation-based navigation system for cyclists in Amherst
- Administered a PostGIS PostgreSQL database which held all node and edge data for the map of Amherst
- Performed JUnit tests to ensure that each update upheld the integrity of the codebase
- Constructed a web UI to take in user inputs and display generated routes with the use of jQuery and AJAX calls

OrchardWatch

CS 320: Software Engineering, Mobile app team

📅 9/2019 - 1/2020   🔗 https://github.com/TEAM-B3ANS/OrchardWatch-mobileapp

- Produced an Android mobile application which takes in pictures of potentially disease-ridden apples and uses machine learning to return to the user the likelihood and type of disease that the apples may have
- Acted as customer liaison to ensure the functionality of our product matched the customers desired use cases
- Architected an AWS-based cloud infrastructure to support the OrchardWatch platform which was adopted by the entire class

TECHNOLOGIES

Languages: Java, Python, SQL, JavaScript, HTML, CSS, C, C++

Experience with: Spring Boot, PostgreSQL, jQuery, Amazon Web Services, Linux Server Management, Git