RYAN CALLAHAN

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TECHNICAL SKILLS

Languages	Java, JavaScript, C#, Python, HTML5, CSS, SQLite, PLSQL
Frameworks and Libraries	React, Redux, Next.js, Asp.Net Core, .Net Core, Spring, Material UI
Other Skills	Rest Api, OpenApi 3, Micro-Services, Linux, Command Line, Git, Scrum, Jira

EDUCATION

Bachelor of Computer Science, Bridgewater State University — Expected Graduation — May 2022

Minor in Mathematics

Major GPA: 3.9 — Overall GPA 3.4

Board Member of Computer Science Club and Computer Science Curriculum Council

Relevant Coursework: Data Structures and Algorithms, Computer Science I & II, Intro to Computer Organization, Networking, Database Systems, Object-Oriented Software Engineering

EXPERIENCE

Software Development Intern — Jun 2019 — Sept 2020
Sovos Compliance — *Wilmington, MA*

- Created a spring plugin based service to integrate with many payment api and sftp services (ex. Wells Fargo) to transfer money from client accounts to regulatory accounts.
- Co-Led previously mentioned service which is set to increase product revenue by $120 Million per year by meeting customer requirements to be able to migrate to the product.
- Overhauled all filtering from 8 working filters without consistent behavior to 42 standardized filters.
- Standardized api request bodies to use serialized JSON for values rather than csv strings.
- Created ad hoc customer data reports using Jaspersoft reporting.
- Created a file uploading component that allows users to attach their signature en-mass to documents.

Teaching Assistant — Jan 2019 — Present
Bridgewater State University, Department of Computer Science, — *Bridgewater State University*

- Lead 3 weekly hour long supplemental classes with smaller class sizes to focus more on individual student needs.
- Hired based on faculty recommendation to increase computer science major retention and success.

PROJECTS

Losing The Lyrics, Personal Project — Link To Repo — Link To Demo

- Created a game based on the tv game show Don't Forget The Lyrics.
- Players join a room then are given part of a song to listen to with lyrics on the screen then are prompted to finish the line by singing into their devices microphone.
- using Next.js, Express, and Socket.io while leveraging the Spotify api for playback.

Defeating Mac Address Randomization, Research Project — Link To Summary

- Collected mac address data, via networking tools built into Parrot Linux, by monitoring public areas on campus.
- Researched vulnerabilities in MAC address technologies and failures of randomization technologies.

Concussion Conscience, Hackathon Entry — Link To Repo

- Created MVP for a concussion recovery tracker that measures recovery based on reaction time.
- Used PayFone's sim card based authentication API with React, Nodejs, Express, and MongoDB.