Rhys Lee

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EDUCATION

Stevens Institute of Technology | Hoboken, NJ   September 2019 – May 2023

Bachelor of Engineering in Computer Engineering, Minor in Computer Science, Graduated with High Honors

Dean's List (September 2019 – May 2023)   GPA: 3.79

RELEVANT COURSEWORK

Algorithms	Image Processing and Coding	Computer and Multimedia Network Security
Data Structures	Engineering Programming: Java	Engineering Programming: Python
Operating Systems	Digital System Design	Database Management

PROJECTS

Virtual Deck
- Designed a simple and intuitive UI using Electron.js, HTML, CSS, and JavaScript, allowing users to easily navigate the application, as well as create, delete, edit, and use commands.
- Implemented a RESTful API using NodeJS to handle command execution, ensuring reliable backend operations, and connected to Twitch via WebSocket allowing seamless interactions for users utilizing Virtual Deck for streaming.
- Established a scalable modular system for command creation, enabling the easy addition and customization of new command types.

BUBBL Task Management
- Led a team in innovating a robust Task Management application utilizing Java in Android Studio, creating an intuitive and efficient tool for optimized task organization and productivity enhancement.
- Leveraged the power of the Google Maps Platform API to integrate location-based functionality into the Task Management app, enabling accurate distance calculation and efficient task assignment based on proximity.

Java Checkers
- Spearheaded a collaborative effort to build Checkers in Java, leveraging Object-oriented programming expertise; integrated advanced graphics using AWT and Swing libraries, enhancing visual aesthetics and user engagement.

Famous Quotes REST API
- Designed and implemented a RESTful API using Java Spring Boot, that allowed users to retrieve a daily famous quote.
- Looking to enhance the project by implementing functionality to select specific authors and genres for quote generation.

MyMovieList
- Engineered a user-friendly Python program that enabled users to search and rate movies, access and evaluate each other's ratings, and seamlessly search through the IMDB database using a REST API for movie information and ratings.

WORK EXPERIENCE

EnQubes | Lawrenceville, NJ   June 2023 – Present

Software Engineer
- Created a long-term application for reporting Supply Chain Lane Health data, enabling users across the company to easily view and resolve lane issues before they are pushed to production, resulting in a 30% reduction in lane-related production errors.
- Constructed a Python application for managing SQL queries used for reporting data, enabling users to create, edit, and delete queries, as well as automatically generate reports from selected queries, accelerating report generation by 70%.
- Developed an Electron.js application to visualize supply chain routes by integrating data from MS SQL Server, enhancing supply chain visibility and decision-making through an intuitive user interface.

EnQubes | Lawrenceville, NJ   June 2022 – August 2022

Data Analyst Intern
- Partnered with business Subject Matter Experts (SMEs) to write and execute SQL queries seamlessly migrating data from legacy systems to modern platforms while ensuring smooth transition and data integrity.
- Developed a front-end for a JIRA ticket mass upload tool, using JIRA's REST API response to display status indicators to provide user feedback.

SKILLS

- Object-Oriented Programming: Java, C++, C, C#, Python, Visual Basic, JavaScript.
- Application Development: Android Studio, React-Native.
- REST API Design and Consumption: Java Spring Boot, NodeJS, ExpressJS.
- Web Design: HTML, CSS, JavaScript, TailwindCSS, ReactJS