CARLOS **RODRIGUEZ**

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Education

Western Governors University   Expected Graduation: Aug 2023
Bachelor of Science, Computer Science

- **Courses:** Object Oriented Programming (OOP), C++, Java, Web Development, Information Technology(IT), Database Management, MySQL, PostgreSQL, NoSQL, Cyber Security, Data Structures & Algorithms, Operating Systems, Software Engineering, Agile, Software Quality Assurance & Testing, Computer Architecture, Artificial Intelligence (A.I.), MongoDB Express.js React.js Node.js (MERN),

Skills

Languages: JavaScript, CSS, HTML, Java, Python,
Technologies: MongoDB, Express.js, React.js, Node.js, MySQL, Axios.js, Bash, Git,
Concepts: RESTful API, OOP, Version Control, Data Structures & Algorithms,

Experience / Projects

NASA Image Generator with Google Authentication
Google OAuth, Passport.js, Axios.js, Restful API , MERN stack,   Jul 2023
- Implemented advanced user authentication using Google Authentication, incorporating OAuth, Passport.js, and RESTful API techniques.
- Utilized Axios.js to seamlessly retrieve daily astronomy images from the NASA API upon user login.
- Demonstrated proficiency in MERN stack to create a web application that allows users to authenticate, access NASA's astronomy picture of the day, and interact with the system through RESTful APIs.

Budgeting React Full Stack Application
Restful API, CRUD app, MongoDB, Express.js, React.js, Node.js, MERN stack,   Jun 2023
- Utilized Restful API and implemented CRUD functionality with MongoDB, Express.js, React.js, and Node.js (MERN stack)
- Developed a monthly budgeting application that enables users to track expenses and purchases, with real-time updates on the remaining balance
- Implemented user authentication and data persistence features

Professional Portfolio
React.js, Email.js, JavaScript, CSS, HTML, Modular Programming,   May 2023
- Developed a professional portfolio website using React.js, showcasing skills, projects, and relevant information.
- Implemented modern and visually appealing design with CSS to enhance the presentation of the portfolio.
- Demonstrated expertise in writing modular code for easy maintenance and scalability.

Appointment Management System
Java, CRUD app, JavaFx, JDBC, MySQL, OOP, Database Management,   Apr 2023
- Developed a Java application using JavaFx and JDBC to create and manage appointments and customers
- Resolved scheduling conflicts and organized useful business data
- Demonstrated proficiency in database management and object-oriented programming