Cindy M. Rodriguez

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Objective: Latina Computer Science Senior at California State University, with strong leadership skills and a solid foundation in software engineering, *seeking full-time entry-level positions.*

Education

California State University, Los Angeles **Expected: May 2024**
Bachelor of Science, Computer Science

Work Experience

The Aerospace Corporation **08/2023 – Present**
Software Engineering Intern
- Developed a web application to visualize GPS performance metrics, specifically the Dilution of Precision (DOP),
- Utilizes Python for data processing and integrates Flask for web development.
- Leverages InfluxDB Version 1 to store and manage GPS satellite position information.
- Designed and implemented the front-end using JavaScript and related technologies.
- Utilizes the D3.js library for data visualization on a world map, allowing users to explore GPS DOP metrics.

City of Los Angeles Department of Public Works Bureau of Sanitation **12/2021 – Present**
Administrative Clerk
- Greets customers and handles all complaints, questions, and concerns as well as take surveys.
- Works with contractors and assists the public in the collection of Household Hazardous Waste.
- Maintains and organizes required materials for the SAFE Centers.
- Reviews and signs hazardous waste manifests.

Projects

SAFE Center Daily Report App for the Bureau of Sanitation **08/2023 - Present**
- Develop a simple Android app for writing and listing daily reports with a pleasant user interface.
- Implement error handling and validation for user input, Add features like editing and deleting reports.
- Integrated a database for persistent storage of reports.
- Utilized: Kotlin, Android, Jetpack Compose, SQLite, XML, UI/UX Design

Twitter Bot: @EzrealLoverBot **09/2023 – 10/2023**
- Designed and programmed a Twitter bot that leverages the Twitter API to automate the liking and retweeting of Ezreal images from League of Legends.
- Implemented advanced image recognition algorithms to identify and curate captivating Ezreal-related pictures, fostering community engagement and enhancing the League of Legends experience for fans.
- Utilized: REST-API, Python

Hospital Vaccine Database and Patient Management System **02/2023 – 05/2023**
- Developed a Java Servlet designed to provide hospitals with a user-friendly interface for viewing and editing patient and vaccine information.
- Provided and allowed health care providers to interact with and manage patient data and vaccine data efficiently.
- Utilized: Java, HTML, CSS, Bootstrap, MySQL, and OOP.

Skills

Languages:	Java, C, C++, C#, Python, HTML, CSS, JavaScript, SQL, JSP
Libraries/Frameworks:	Flask, InfluxDB, Bootstrap, React.js, Node.js, NumPy, Pandas, MatPlotLib
Tools/IDE:	Docker, Eclipse, Visual Studio, Version Control (Git), Agile Development, MVC Architecture, Java Servlets, REST-API, JSON, Linux/Unix, Azure, AWS
Spoken Languages:	Japanese, Spanish

Leadership & Involvement

Technical Interview Preparation for Software Engineers (TIPSE) **03/2022-Present**
General Officer
- Help lead meetings, take attendance, organize meeting times, and assist other club members when needed.