

**Shirelle Winecoff**

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**Github:** <https://github.com/ShirelleW/Multiverse-Final-Portfolio>

## **Skills**

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Full Stack Web Development:

- Front End: React, Jest, React Testing Library, JavaScript, HTML5, CSS3, Chart.js, APIs
- Back End: Node.js, Express, Sequelize, Java, Spring Boot
- Databases: MySQL, Postgres

Data Analysis Skills: Python, Pandas, Dask, SQL, Jupyter Notebook

Version Control: Git, Github

Containerization: Docker

CI/CD: Jenkins

## **Professional Experience**

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**Software Engineer | American Express | 05/2022 - 09/2023 | Remote Contract**

- Collaborated with cross-functional teams utilizing agile-scrum method to develop responsive and accessible web applications, participating in planning and design sessions for new features and requirement changes.
- Developed user-friendly, interactive features using React, HTML5, CSS3, JavaScript, and CSS Frameworks.
- Implemented state management using Redux for efficient data handling.
- Implemented unit testing using Jest and React Testing Library, achieving a test coverage rate of 100% for all modules. This ensured intended functionality and eliminated front-end user errors.
- Worked with backend developers to integrate RESTful APIs to fetch and display dynamic content on the front end.
- Optimized website performance and loading times by optimizing code and assets.
- Collaborated with designers to translate wireframes and mockups into responsive web designs.
- Implemented continuous integration and continuous deployment (CI/CD) pipelines (Jenkins) to streamline the development and deployment process.
- Advised other developers on coding standards and accessibility best practices.
- Ensured high-quality code by conducting code reviews and implementing best practices.

**Mechatronics Engineer | Jones Lang LaSalle | 04/2021 - 10/2021 | Teterboro, NJ**

- Led the integration of motor control systems for automated production lines, resulting in a 5% increase in throughput.
- Worked closely with cross-functional teams to specify and select motors, drives, and sensors suitable for various industrial applications.
- Collaborated with Programmable Logic Controllers programmers to develop control logic for motors, conveyors, and other automation components.

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- Troubleshoot and resolved issues related to motors, conveyors, and associated PLCs, reducing downtime by 8%.

## Education

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### **United States Department of Labor | Certificate of Completion of Apprenticeship | 10/2023**

As a part of the Multiverse Software Engineering Apprenticeship, I worked as a software engineer with American Express, collaborating with cross-functional teams utilizing agile-scrum methods to develop responsive and accessible web applications.

### **Lehigh Carbon Community College | Lehigh Valley, PA**

#### **Vocational Certificate of Completion of Mechatronics and Robotics | 07/2021**

Certificates of Achievement (PMMI Mechatronics) in Fluid Power, Industrial Electricity, Mechanical Components, and Programmable Logic Controllers

### **Data Engineering Fellow | *Correlation One Data Science for All (Data Engineering Program)* | 04/2023 - 07/2023**

Advance skills in data engineering through utilizing real-world business cases to implement the ETL process- collecting, cleaning, and preprocessing data from various sources such as APIs and databases while utilizing SQL, Python (and libraries such as Pandas and Dask) and cloud core principals through AWS and services such as Redshift and S3. Completed a capstone project analyzing the effects of the PPP Loan of business' balance sheets.

### **Software Engineering Fellow | PerScholas | Newark, NJ**

#### **Certificate of Completion of Software Engineering Course | 03/2022**

Gained skills in Javascript ES6, HTML, CSS and frameworks, and React Library, utilizing both class and functional components for front-end. Utilized Java, Spring Boot, and Node.js for various backend applications and projects. Built a full-stack web application using the above technologies as well as Postgres and MySQL for relational databases.