Marisela Vasquez

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Education

Oregon State University | B.S, Computer Science (3.71/4.0 GPA)   Summer, 2024
Relevant Coursework: Computer Science I and II, Discrete Math, WebDev, Databases, Data Structures, Software Engineering I and II, User Usability, Assembly Language, Algorithms, Open-Source Programming, Parallel Programming, Operating Systems
Fresno State University | B.S, Public Health, Health Administration   Fresno, CA
Micro-Credential Certificate | Programming fundamentals   April 2023

Technical Skills

Languages: Python, SQL, HTML, CSS, JavaScript
Tools: Git, GitHub, SPSS, Tableau, Power BI, XML, Excel, PowerPoint
Frameworks & Libraries: React, Express, Node.js
Other: Team leading, project management, database management, data collection, data analysis

Projects

My Portfolio | *JavaScript, React Vite, Material UI, Web3Forms* | **GITHUB: Personal Portfolio**
- Developed a responsive personal portfolio website using React, Vite, and Material-UI, showcasing projects with dynamic layouts, reusable components, and custom dark/light theme toggle.
- Integrated a contact form with Web3Forms API to handle submissions, implementing state base success/error alerts and validation for improved user experience.
- Applied version control best practices with Git/GitHub, including branching, rebasing, and structure commit messages to manage iterative feature development and deployment.

Form Automation & Dashboard | *JavaScript (Acrobat), Python, Adobe Acrobat SDK, Power BI*
- Developed a scoring automation system for a standardized fillable PDF form using embedded JavaScript
- Leveraged Acrobat SDK scripting features to implement conditional logic, field validation and grouped scoring
- Extracted form data using Python and created a Power BI dashboard to visualize response trends and severity levels
- Based on real-world project to support clinical data reporting and streamline internal workflows

Hasami Shogi | *Python* | **GITHUB:** Hasami Shogi
- Implemented Hasami Shogi game logic adhering to Variant 1 rules.
- Designed and structured classes for game state, player actions, and win condition checking
- Validated user moves, implemented capture logic, and handle turn-based gameplay
- Developed a simple text-based interface for player integration with clear prompts and error messages

Work Experience

Research Data Assistant – Pacific Clinics   2017 – Current
- Analyzed clinical outcome data using SPSS, excel to support state-mandated quality improvement projects
- Migrated 400+ records and trained 50+ staff on new data systems, improving documentation efficiency
- Led large-scale survey initiates across 65+ programs, coordinated data collection and reporting
- Conducted bi-weekly team meetings to supervise research staff and ensure data integrity
- Wrote internal how-to guide for data processes

Research Data Coordinator – Pacific Clinics
- Automated form logic and scoring using JavaScript in Adobe Acrobat for internal clinical reporting
- Built dashboards in Power BI from extracted PDF survey data using Python
- Created tools to streamline data collection, analysis and visual communication of trends
- Collaborated with clinical and operations teams to modernize legacy systems

Involvement

- **Member of Latinas in RTC, SHPE, SWE, and ColorStack**   Since 2022
- **Codepath**: 10-week Technical Interview Prep – Intermediate   June 2023
- **EECS SHPE Conference Scholarship Recipient**   November 2023