

Leobardo D. Martinez-Quiroz

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Transdisciplinary bilingual problem solver, experienced in consulting and advising across the nonprofit and government sectors. My typical approach to visualization incorporates frontend and backend technologies namely React.js, Vue.js, Spring Boot, and UI/UX design tools Figma and Adobe XD. Leveraging languages Java, HTML, CSS, and JavaScript, alongside frameworks like Bootstrap and Tailwind, and libraries for visualizations Mapbox and Recharts, I prioritize best practices to optimize applications for speed, scalability, and accessibility. Most recently, at Tech Impact, I have advanced my leadership in UI/UX design and data product delivery, ensuring robust and user-centric solutions through seamless collaboration with cross-functional teams.

TECHNICAL EXPERIENCE

[Secondary Education Enrollment to Workforce Eligibility Pipeline:](#) Password: **Education24!** Developed and implemented an open-source methodology for integrating multi-level longitudinal data to quantitatively represent Delaware's secondary school-to-workforce pipeline. Created an interactive website to visualize enrollment and graduation counts for Delaware students, providing policymakers with valuable insights for data-driven decision-making in fostering a resilient labor market. Worked closely with a fellow developer to co-design the interface, integrating interactive charts utilizing data sourced from the data team.

[Recidivism and Prison Gerrymandering:](#) Led the design and development of an informational website spotlighting two critical criminal justice policy issues, offering comparative analysis between Delaware and the wider United States. Worked closely with a fellow developer to co-design the interface, integrating interactive maps utilizing data sourced from the data team.

[West End Social Impact Reporting and Evaluation:](#) Password: **Rncdd20!23,** A transformative initiative to empower non-profits to assess their data maturity and align it with organizational goals. Facilitated clients in evaluating and enhancing their data processes, culminating in the creation of visually engaging dashboards to represent key insights. Worked closely with Front-End developers to co-design the interface, ensuring a smooth user experience.

[Monyu Website:](#) Designed an artist's website using Squarespace to help her showcase her work and attract more visitors.

[Portfolio Website V1:](#) Designed, and built V1 portfolio website mainly with Vue.js in Visual Studio Code and deployed with Vercel.

[Avi-I.T. Web Site:](#) Redesigned their website to be more user-friendly.

PROFESSIONAL EXPERIENCE

Front-End / Data Visualization Development Fellow, Tech Impact, Newark, DE

2023-Present

Member, Tech Impact DEI Committee

- Lead and contribute to UI/UX design efforts by delivering wireframes, storyboards, prototypes, and mock-ups of data products. Translate UI/UX prototypes into code
- Define and iterate through application designs, refining structural and aesthetic decisions based on user testing and client feedback
- Author and document reusable code and libraries for routine processes
- Define and ensure adherence to testing and validation standards across projects
- Consult clients on best practices and decisions for enhancing their tools and developing new ones
- Optimize applications for maximum speed, scalability, and accessibility
- Collaborate with other members of Fellowship in the design, wireframing, and final build of production-grade data products
- Oversee all technical aspects of implementing elements of graphic design into front-end interfaces

Software Development Advisor, Self-Employee, Middletown, DE

2022-Present

- Design and build websites for small businesses

Director of Software Development, Avi I.T., Middletown, DE

2022-Present

- Lead Avi I.T.'s Software Development division, overseeing maintenance, enhancement, and cost-effective solutions for small businesses
- Implement cutting-edge software applications and practices, while fostering collaboration and continual improvement within the team

Sales Associate Bilingual Spanish, Sherwin Williams, Middletown, DE

2023-2023

- Ensured that sales transactions were completed accurately by communicating with team members, and maintained accurate work order files and formulas
- Supported the sales, servicing wholesale and retail customers in person and over the phone by determining needs and presenting appropriate products and services

PowerHouse Operator – Chemical Operator – Material Handler, BASF, Newport, DE

2015-2022

- Operated high-pressure steam boilers, air compressors, and managed wastewater treatment for compliance
- Oversaw Thermal Oxidizer skid, conducted sampling, and ensured safe material handling within the plant

EDUCATION

Tech Elevator

2022-2022

I finished a 14-week full-stack coding boot camp learning how to create dynamic web-based software systems using Java providing 700+ hours of development education and application.