Paola Hernandez-Aguirre

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EDUCATION

University of Maryland | College Park, MD

B.S. in Computer Science | Minor in Linguistics | GPA: 3.66   **May 2025**

Relevant Courses: Object Oriented Programming, Data Structures & Algorithms, Web Application Development/Web Design, Programming Handheld Systems, Database Design, Networking and Security, Human Computer Interaction
Honors: Full Banneker Key Scholar, Dean's List

TECHNICAL SKILLS + CERTIFICATIONS

Programming Languages: Java, Javascript/Typescript, HTML5/CSS, C/C++, Python, Ruby, Dart, PHP, SQL
Technologies/Frameworks: Git, Databases (MySQL, MongoDB, Firebase), Figma, Unix, Flutter, ReactJS, Next.js, Express.js , JavaFX, Microsoft Power Platform, Jira
Certifications: Dell Boomi Developer and Professional Developer Certifications (2023), Scrum Master Certification (2024)

EXPERIENCE

W.L. Gore & Associates | Software Engineering Intern | | Elkton, MD   **May 2024 - Present**
- Collaborated with a team of 4 to develop 3 fully functional apps using **Microsoft Power Platforms** Tools to solve internal problems, reducing human error by up to 70% and increasing productivity by up to 60% in internal processes.
- Engineered a comprehensive data model and executed **ETL operations** to transform company-wide resource planning from spreadsheet-based to app-based, enhancing stakeholder collaboration and improving decision-making efficiency by 30%.

W.L. Gore & Associates | IT System Analyst Intern || Remote   **May 2023 - Aug 2023**
- Spearheaded the implementation of a comprehensive documentation system for **Dell Boomi** integrations in the Sales and Marketing team, designing a standardized template to be used for future developers.
- Documented over 15 key integrations, identifying and implementing improvements that enhanced code reusability and reduced development time, accelerating onboarding time for new members by up to a week.

PROJECTS

Zenith Habits | Dart, Flutter
- Engineered a cross-platform **mobile app** for habit tracking using **Flutter**, implementing complex features like real-time habit tracking, mood analysis, and secure journaling to boost user's goal achievement by 40%.
- Implemented **Firebase** for scalable database management and integrated OAuth 2.0 for secure authentication, ensuring GDPR compliance and seamless cross-platform functionality on IOS and Android with a 99% uptime.

Activity Tracker | HTML, CSS, JavaScript
- Developed a responsive Activity Tracker **web application** with a user-friendly interface, utilizing **MongoDB** for efficient data management.
- Engineered server-side routing with **Express.js** and integrated **Bored API**, optimizing API calls to reduce latency by 60% and provide real-time, personalized activity suggestions.

EXTRACURRICULARS

Society for the Advancement of Chicanos and Native Americans in STEM (SACNAS) | Social Media Coordinator | Oct 2021 - Present
ColorStack | Fellow | Mar 2024 - Present
Maryland Mentor Corps | Mentor | Feb 2022 - May 2022