VALERIA NEVAREZ

(650) 861-1877 | mvno.071095@hotmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

EDUCATION

B.S. in Biotechnology Engineering, 2014 - 2019, GPA: 4.0/4.0
Monterrey Institute of Technology (ITESM)
Relevant Coursework: Microbiology, Molecular Biology, Bioprocess Laboratory.

Micro and Nanofabrication Techniques course, Summer 2018
Massachusetts Institute of Technology
Relevant Coursework: Micro and nanofabrication techniques to produce solar cells, sensors, electronic circuits, microfluidics systems, and microelectromechanical systems.

PROFESSIONAL EXPERIENCE

Software Engineering Internship/Contract - Cruisebound Inc. 06/2025 - 10/2025
- Built and maintained full-stack features to improve platform performance and user experience.
- Developed responsive UIs with React, Next.js, Tailwind CSS, and HTML.
- Implemented backend services using Java/Kotlin for scalable, reliable integrations.
- Used Datadog for monitoring and GitHub for version control and collaboration.

Software Engineering Internship - Cirotec Automation. 11/2024 - 05/2025
- Developed Remote Switch, a web application enabling businesses to remotely control electronic devices via phone calls and text messages.
- Utilized React, Vercel, and the Twilio API to build and deploy the web interface.
- Wrote Python scripts to automate phone calls and email notifications for seamless device control.

Laboratory Technician / Research Assistant - Micro Meat. 5/2022 - 8/2023
- Management of laboratory inventory and supplies.
- Supervision and implementation of good laboratory practices for tissue culture. Implemented SOPs and maintenance logs for laboratory equipment.
- Support in research and development by setting up mammalian cell culture experiments. Cultured C2C12 cells effectively for expansion.
- Maintenance of cell lines under aseptic conditions in a biosafety cabinet.
- Preparation of cell culture media, use of autoclave for sterilization of laboratory material.

Auditor Assistant - Be More. 1/2021 - 5/2022
- Inspection and development of compliance reports for NOM ISO 9001:2015 requirements for client companies.
- Development and implementation of documentation of internal procedures for the quality assurance of client companies' processes.

Quality Control Microbiologist - Versa Group. 9/2019 - 12/2020
- Supervision of compliance with good manufacturing practices during production processes.
- Creation of requirement compliance reports for raw material and finished product.
- Microbiological analysis of cell purity and viability by cell plating through serial dilutions.
- Total cell count in the Neubauer chamber. Cell morphology analysis by Gram stain, and spore morphology by Malachite Green stain.

- Sampling and physicochemical analysis of raw material and finished products (pH, density, moisture).

Research Assistant - Laguneros Bioproducts. 9/2019 - 12/2019
- Developed and implemented a protocol for the determination of organic matter in soil.
- Analyzed and researched on the optimal growth conditions for the development of an entomopathogenic fungus, with the aim of developing a biopesticide from its spores.
- Preparation of laboratory material, culture media, solutions, sterilization of laboratory glassware.

Laboratory Assistant - University Hospital. 8/2018- 10/2018
- Assisted with clinical analytical procedures in the Hematology Lab, such as blood smear, Wright stain, blood gases, clotting times and blood count.
- Prepared cell culture media for different microbiological assays.
- Assisted with microbiological techniques for the Bacteriology Lab, such as Gram stain, BAAR stain, optical microscopy.

SKILLS
- Programming Languages: Python, Javascript, CSS, HTML, React.
- Software: Microsoft Excel, Word and PowerPoint.
- Languages: English, Spanish

COURSES
- Quality and Productivity: NOM 9001:2015 : 40hrs - 8/2022
- Quality management systems, use of Core Tools for quality improvement, lean manufacturing, problem analysis and solution, leadership development.

Software Development Courses, 2024 - 2025
- More than 15 online courses in the areas of Web Development, Python, Data Science, Github, and Cloud Computing. See certificates section in my portfolio.