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| ALejandro MOralesResearch Technologist | | | | | | | | | | |
|  |  | 832-868-5807 | **Email with solid fill** | Alejandro.morales04@gmail.com | | **Home with solid fill** | 6919 N. Sheridan Road  Apt 303 Chicago, IL | | **Internet with solid fill** | Moralesportfolio.net |
| Objective | | | | | | | |  | Education | | |
| I am a Research Technologist with over 6 years of experience conducting scientific experiments. I am seeking to transition into a career in programming. I am experienced in programming both front-end as well as backend technologies. | | | | | | | |  | **BS. – Biology**  **Texas State University**  **San Marcos, TX 2016** | | |
| Programming projects | | | | | | | | **PROFILES** | | |
| **Layover Connections – Creator [** [***github.com/alejamora04/Layover-Connections***](https://github.com/alejamora04/Layover-Connections)**]**   * Developed both the front-end and backend of the application using a Django framework. * Worked with Bootstrap 5, JavaScript, HTML-5, and CSS-3 to design the front-end * Utilized a combination of (C)-Python and Sqlite3 to create the backend and database. * Features Login Authentication, User Profiles.   **Ghost Busses – Contributor [** [***www.ghostbuses.com***](http://www.ghostbuses.com)**]**   * Collaborated alongside a group of developers to assist back-end development. * Fixed the issue of route map calculations outputting a ratio greater than one. * Assisted in improving the documentation for the entirety of the backend. | | | | | | | | **Address Book with solid fill** [**Portfolio**](https://moralesportfolio.net/)  **moralesportfolio.net**  [**GitHub**](https://github.com/alejamora04)  **alejamora04**  [**LinkedIn**](https://www.linkedin.com/in/alejandro-morales-li-profile/)  **alejandro-morales-li-profile** | | |
| Work experience | | | | | | | | **CODING SKILLS** | | |
| **Northwestern University - Research Technologist III**  **Chicago, IL 05/21 – 01-23**   * Developed an image analysis pipeline using Cell Profiler and ImageJ to quantify IF expression profiles of protein localization. * Utilized qPCR to compare genomic sequence expression for Neuronal cells. * Used confocal microscopy to capture images of HeLa cells to compare protein colocalization.   **Northshore University Health System - Research Assistant**  **Evanston, IL 07/17 – 05/21**   * Processed prostatic tumor tissues and cultured CAF cells to maintain a biobank repository. * Performed surgeries in mice and handled post-op care to demonstrate the effects of DGAT1 inhibition on tumor growth. * Designed statistically efficient CRISPR primers to genetically modify cell lines. * Gave oral presentations for ongoing projects in departmental meetings.   Applied Diagnostics – Flow Cytometry Technologist  Houston, TX 11/16 – 03/17   * Gated cells using software analysis to run clinical hematology screening panels. * Ran specimen samples on Gallios 10 Color flow cytometers.   RELEVANT TECHNICAL SKILLSETS | | | | | | | | C  PYTHON  DJANGO  SQLITE  HTML-5  CSS-3  JAVASCRIPT  BOOTSTRAP  BASH  LINUX-UBUNTU  TECH GROUPS | | |
| **FRONT-END** | | | | | **BACKEND** | | |  | **Chi Hack Night**  **Member (Aug-2022)**  **ChiPy**  **Member (Jul-2022)** | | |
| * Jquery * DOM – Manipulation * AJAX * HTTP-Request * JSON Construction | | | | | * Pandas * SERVER-SIDE VAlidation * REst API Design * BASH Command-Line * Git Version Control | | |  |