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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 TechnologistHouston, 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 | CPYTHONDJANGOSQLITEHTML-5CSS-3JAVASCRIPTBOOTSTRAPBASHLINUX-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
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