

Darwin M López

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EDUCATION

UNIVERSITY OF WASHINGTON, Seattle WA

B.A. Geography: Data Science

Anticipated graduation: June 2023

CLARK COLLEGE, Vancouver WA

A.A. in Biology through dual enrollment

Sept 2017 - June 2019

TECHNICAL SKILLS

Python, R Studio, SQL, Tableau, Microsoft Office Suite, ArcGIS, QGIS PRO, Adobe, machine learning.

WORK EXPERIENCE

CHARTER HOTEL by HILTON, Front Desk Agent

Jul 1 - Present

Utilize communicational and administrative skills to ensure guest satisfaction. Forecast occupancy, balance future overbooking to optimize revenue, and maintain hotel inventory using Hilton OnQ system. Created guest item and mail tracking inventory system.

CORNEAGEN, Clinical Operations Intern

Sept 2021 – March

2022 Worked with a team handling the validation and distribution of corneal tissue worldwide. Performed data entry, system updates, cross-departmental meeting documentation, and backed-up international customer directory. Researched and pitched environmentally friendly packaging.

KLICKA LAB at UNIVERSITY of WASHINGTON, Analyst Research Assistant

Oct 2019 – March 2021

Used lab protocols, DNA sequencing, analyzed large datasets using R Studio, Python and Excel. Presented research projects at international conferences.

FRITO LAY, Warehouse Worker

June – Sept 2020

Seasonal position working with a team organizing, packing and storing goods to ensure timely customer deliveries.

LEGACY HEALTH, Research Volunteer

June 2018 – June 2020

Worked 300+ hours assisting medical professionals in completing projects requiring efficient data entry and administrative skills.

VANCOUVER CLINIC, Scribe

May – Sept 2019

Summarized and accurately documented internal medicine encounters between medical professionals and patients using electronic health records (EHR).

RESEARCH AND AWARDS

Washington State Electric Vehicle Adoption Analysis

Jan – March 2023

Contributed to the development of a website that utilized Washington State Department of Licensing data to present maps, graphs, and charts. Aimed to inform government entities and car companies about electric vehicle adoption trends, the demographic and geographic influences.

Designing EvolveSat: A Satellite for Indigenous Peoples and Environmental Conservation.

Jan – March 2023

Proposed satellite aimed at supporting Indigenous Peoples and environmental conservation with focuses on monitoring land use and vegetation changes, particularly in indigenous territories like the Amazon rainforest, using a combination of high-resolution optical imagery and Synthetic Aperture Radar (SAR) technology.

Population Density Affecting Living Conditions

March 2022

Used machine learning to model state level socio-economic variables and determined associations with living conditions.

Incidence of Glaucoma in Modern Keratoplasty Techniques

April 2021

Researched proposal involving filtering by international disease code (ICD) and collected data from the electronic chart system (Epic) to determine the number of patients that had undergone keratoplasty that later developed glaucoma.

Blue-gray Gnatcatcher Research Project

Nov 2019 – Sept 2019

Analyzed and mapped phylogenetic data to determining gene flow. Presented the project at AOS international conference, 2020.

College Assistant Migrant Program (CAMP) Stipend | Washington State Opportunity Scholarship (WSOS)

Mathematics Engineering Science Achievement (MESA) Student Award | Legacy Health Volunteer Stipend

INTERNATIONAL

GUATEMALA, Bilingual Proficiency and Cultural Adaptability

Feb 2001 – March 2008

Born and raised Huehuetenango Guatemala I have functionally native proficiency in Spanish and English.

BRAZIL, Language, and cultural Exchange

Sept 2014 – Present

Engaged in daily Portuguese conversations and cultural activities, enhancing language skills to an intermediate level.

EUROPE, Education and Travel

In the Netherlands, I participated in a study abroad program through the University of Washington, where I broadened my academic horizons and deepened my understanding of Dutch culture and geological landscapes. The program focused on the utilization of political geography offering a solid foundation for my career. Additionally, my solo travels through Switzerland, Germany, and Portugal involved engaging with locals and exploring unique cultural offerings, further augmenting my global perspective.