



Daianna González Padilla

Personal information

I am a Genomic Sciences undergraduate student at the National Autonomous University of Mexico, UNAM. I am interested in pharmaceuticals, as well as in pharmacogenomics and drug design and development to combat diseases. I have a great liking for genetics, biochemistry, molecular biology, gene therapy, epigenetics, and bioinformatics.

Contact

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Media



Programming Languages

I adapt myself to any required language; the ones I have handled are:

- Python -C/C++
-R
-Perl -Bash

Scientific experience

Systems Biology Lab

Genomic Sciences Center CCG, Cuernavaca, Morelos, Mexico 2021

- Semester of basic learning of regulation networks and management of databases and Biopython tools.

Genomics and Bioinformatics Hub

**Brigham and Women's Hospital, Harvard Medical School
Boston MA, USA Feb-Jul 2022**

- Co-op intern in the hub learning of bioinformatic tools for the detection of extrachromosomal circular DNAs (eccDNAs) in Parkinson's Disease patients.

Summer Internship LIBD 2022

**Lieber Institute for Brain Development
Baltimore MD, USA, Jun-Aug 2022**

- Intern at the Data Science lab in which I worked on a differential expression analysis in mice to identify the specific effects of nicotine on the developing brain.

Structural Biochemistry lab

**Biotechnology Institute IBT
Cuernavaca, Morelos, Mexico. Aug-Nov 2022**

- Learning basic tools and methods of molecular biology, X-ray crystallography, biochemistry and structural biology.

Lieber Institute for Brain Development (LIBD)

Baltimore MD, USA, Aug 2022 - Present

- Undergrad researcher working on genomic analyses of the brain at gene, exon, transcript and exon-exon junction levels.

Academic history

Tecnologico de Monterrey ITESM High School

- Zacatecas, Mexico Campus
- 2017-2020
- Notable recognitions: participation in the FIRST robotics contest as well as in regional, state and national mathematics olympiads: OMM, GAUSS, Carma.

Genomic sciences UNAM Undergraduate

- Cuernavaca, Morelos, Mexico. Started in 2020
- Notable coursework: Bioinformatics, Biochemistry, Molecular Biology, Principles of Statistics, Programming and Numerical Methods, Cell Biology, Genome Assembly and Annotation, Evolution, Genetics, Populations Genomics, Human Genomics, Virology, Systems Biology.
GPA: 9.96

Idioms

Spanish:

Native tongue

English:

TOEFL ITP B2
Speak fluently and read/write with high proficiency

Recent related achievements

-First place in the National Carma Women's Mathematics Olympiad, 2019

-Honorable mention at the 33 Mexican Mathematics Olympiad OMM (Mexico City, 2019)