

Itzel Hernandez

ilhernandez@hmc.edu

1(661) 600-3027

EDUCATION

Monroe High School, North Hills -- High School Diploma

August 2016 - June 2020

Harvey Mudd College -- Undergraduate

August 2020 - present

Expected graduation date: May, 2024

Major: Engineering, cumulative GPA: 3.290

WORK EXPERIENCE

McDonalds, MacMarro Franchise— Crew Trainer

July 2020- March 2021

- Worked 35 hours a week (Summer 2020)
- 25 hours a week + overtime (Fall + Spring semester 2020-2021)

Wildlife Learning Center, Sylmar — Volunteer

June 2019- February 2020

- At least one shift a week, and every shift being at least three hours
- Work on task log of assigned chores (i.e. cleaning animal cages, sweeping, doing laundry, washing dishes, etc.)
- Every month I receive an incentive with one-on-one time with an animal of my choice

Senator Robert Hertzberg's District Office, Van Nuys

Courthouse — Intern

September 2019- December 2019

- Interned there every Wednesday for two hours
- Received training on having proper etiquette when dealing with constituents over the phone
- Responsible for checking inventory and inputting/processing data
- Participated in promoting Senator Hertzberg's political campaign by creating holiday-related posters and accrediting him to the Van Nuys food drive

Linde Activities Center (LAC)— Front Desk Employee

July 2021-present

- Work 3.5 hours a week
- Sanitized weight room and completed designated tasks for each shift
- Responsible for: checking out bikes and equipment, counting everyone in each room per hour due to COVID restrictions. I also must make sure everyone is using the gym equipment properly.

Math 82— Grader

August 2021- present

- Work 3-6 hours a week
- Graded the problems I was assigned to complete for each weekly homework for Math82 (Differential Equations), and tutored student in Math 82

RESEARCH EXPERIENCE

Fish-Inspired Propulsion through a Water-Air Interface

with Professor Leah Mendelson

January 2022- present

- Bio-inspired engineering research lab
- Enrolled in 1 credit of research
- Goal: design water vehicles that can efficiently exit water by modeling propulsion of jumping archer fish

SKILLS

Public Speaking

Mathematics

Bilingual and Billiterate in Spanish

Typing

Organizing

Soldering

Able to use a lathe and mill

Programming: Python, Matlab

CAD software (Solidworks)

AutoCad software

HONORS, AWARDS

National Hispanic Scholar

JMHS Magnet Academic Excellence

Certificate--The top ten ranked students within each grade receive this yearly

2018-2019 Student Leadership Award--The

Human Relations, Diversity, and Equity

Commission of Los Angeles Unified School Board

of Education, out of all the other nominated

student-run clubs in the LAUSD district, gave us

this award for creating our student-runned

World Culture Club

CERTIFICATIONS AT HARVEY MUDD

COLLEGE

Machine Shop Certified -- completed safety quiz

and training to be able to access the machine

shop

Wood Shop Certified -- completed safety quiz

and training to be able to access the wood shop

OMAX Protomax Water Jet Cutter Certified --

completed a training and safety quiz to be certified to

use the water jet cutter

Swipe Access to MakerSpace -- In order to have

swipe access, I have to know the safety protocols for

the makerspace. I also must know how to properly

use the 3D printer and laser cutter.