

# Issac Granados

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## Experience

December 2021 - May 2023

### **Physio Shop Clinic, Flagstaff, AZ - *Design Engineer***

Created models of a working prototype for what the owner was looking for. Owner was looking to create a new device that would strengthen a region of the lower back with a force being applied from an angle as the patient is doing a simple exercise. Created a 3D model of idea, redesigned and created an additional 2D sketch, and continuous communication with client.

June 2022 - August 2022

### **Envision by WorldStrides, Berkeley, CA - *Engineering Teacher***

Worked with high school students that were interested in becoming an engineer. The summer camp was organized to provide students with a week to design a sustainable answer for our economy. The purpose of the role was to guide the students through their own thought process, provide insight on other avenues, walk them through the design process over and over again until the week came to an end where they presented their ideas to other classes. The main classes that I taught were Ethics and ArcGIS software.

June 2022 - Current

### **Kumon, Rowland Heights, CA - *Teacher***

Main goal as a teacher is to instill confidence within each student that one comes across. We do not teach the student the steps, the packets that they receive have the steps within them but we do clarity, guide, and if need be point them in the right direction by recalling lessons they have already learned. A teacher can be in charge of one to several students at a time (max is usually five within a 20 min interval). Since the center is located in California, I continue to have students that I teach online by testing their skills based on the level of packets they are receiving. Coming up with math and reading problems on the fly for every student that joins my session to make sure they understand the material within their packets.

## Skills

Microsoft Suites, SolidWorks, System Advisory Model (SAM), AutoCAD, MATLAB

## Education

Fall 2023 Graduate

### **Northern Arizona University, Flagstaff, AZ — *Current Student***

Mechanical Engineering Major.

## Awards

National Medal of Athleticism and Education (ROTC Award)