**Alejandro Maza Villalpando**

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## PROFESSIONAL OBJECTIVE AND SKILLS

Proficient physics graduate, with a strong interest in technology, especially A.I. Looking for a job to expand my knowledge and skills.

## EXPERIENCE

**Novosound** Motherwell, U.K. July 2018 – August 2019

*Probe Physicist*

* Responsible of research in material science using Onscale, building ultrasonic sensors and

performing ultrasonic microscopy.

* Retrieving, analyzing and processing sensors output data from oscilloscope raw data to graphs and visualizations, in order to gain insight for further research and to present to investors.
* Using the results of my research we modified the manufacturing process of ultrasonic sensors that lead to an increase in the signal received of more than 1000%.
* I developed a manufacturing process that increased the production of sensors up to 10 times per day per person.

**Data Analysis**

* Kaggle- Heart disease prediction(https://github.com/almazav/heart\_diseas\_scikit\_learn)
* Kaggle- Bulldozer price prediction( https://github.com/almazav/bulldozer\_price\_regression)
* Kaggle- Dog breed identification (https://github.com/almazav/dog\_vision)

## SOFTWARE PROGRAMS AND LANGUAGES

* Python – Numpy, Pandas, Matplotlib, Flask, Scikit-Learn, Tensorflow, BeautifulSoup, Object Oriented Programming
* Web development – html5, CSS3, JavaScript, React.
* Data bases- PostrgeSQL, MongoDB
* Microsoft office – Excel, Word, Power Point, Access
* LaTex
* Proficient English and Spanish as first language

## SOFT SKILLS

* Ability work with minimal supervision, with good organizational skills and a positive and flexible attitude
* Strong automation approach to problem solving
* Enthusiastic for learning new skills, as well as teaching existing ones

## EDUCATION

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| *University of the West of Scotland* – *BSc(Hons), First Class, Physics.* | Paisley, U.K., 2015-2019 |
| *ZT M* – *Complete Machine Learning and Data Science* | May, 2020 |
| *ZTM* – *Complete Web Development* | August ,2020 |
| *IELTS Academic – Credential Id:* 1510003188MAZA294A | London, U.K., June 2015 |

## ADITIONAL

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| *Court Medal* – *Awarded to the most distinguished Physics student, for academic session* | 2017-2018 |
| *Court Medal* – *Awarded to the most distinguished Physics student, for academic session* | 2016-2017 |
| *Court Medal* – *Awarded to the most distinguished Physics student, for academic session* | 2015-2016 |
| *Class representative* – *Physics class UWS* | 2015-2019 |