

Carlos Daniel Mondragón Chapa

mondragon.chapa.carlos@gmail.com 001.413.800.9814

Professional Experience

The Kuwa Foundation

Amherst, MA, USA

Software Developer

May 2018 – Aug 2018

- Created a Website for Universal Basic Income using the frameworks React and Redux
- Deployed Smart Contracts programmed in Solidity and communicated with them using web3.js

Indigo Smart Software Development

Mexico City, Mexico

Senior Software Engineer

Jan 2017 – Aug 2017

- Developed Wi-Fi application in JavaScript for over 100,000 TV set-top boxes that are now in Production using an Agile approach.
- Managed the client relationship with one of the biggest TV service providers in Mexico.
- Managed a small team of three people that had to be very efficient in supporting the client's developers while also developing new solutions requested by the customer.

Infosys Mexico

Mexico City, Mexico

Systems Engineer

Feb 2015 – Jan 2017

- Developed automation programs in Excel VBA and VBScript, which reduced the manual execution time of test cases by up to 60%.
- Managed the Zero Distance project, an Infosys' initiative where employees are encouraged to be creative and challenge the way in which things are done.
- Developed test case database in conjunction with the European UAT team that enabled the reuse of thousands of test cases from over ten different projects.

Airbus

Hamburg, Germany

Intern at Mass Properties Department

Mar 2013 – Aug 2013

- Improved time needed to calculate the mass of an aircraft by developing a program in Excel VBA that took the model of the aircraft, its components, and the client.

Education

University of Massachusetts, Amherst

Massachusetts, USA

Master of Science in Computer Science – Artificial Intelligence Concentration

Sep 2017 – May 2019

Instituto Tecnológico y de Estudios Superiores de Monterrey

Monterrey, Mexico

Bachelor of Science in Mechatronics Engineering

Jan 2010 – Dec 2014

Technische Universität Hamburg-Harburg

Hamburg, Germany

Exchange Student

Sep 2012 – Mar 2013

Relevant Projects

Neural Networks model to determine levels of traffic

Massachusetts, USA

Sep 2018 – Dec 2018

- Used Neural Networks and satellite imagery to determine traffic levels by detecting roads and cars using semantic segmentation
- Made use of techniques such as Deep Convolution Neural Networks, Fully Connected Nets, and Transfer Learning

Honors and Awards

- Best Performer in my team due to contributions in automation.
- Fulbright Scholarship.
- Graduated with the best GPA (95/100) of my major in the international modality.
- DAAD (German Academic Exchange Service) Scholarship.

Jul 2016

May 2016

Dec 2014

Aug 2012

Relevant Experience

- **Courses: Machine Learning, Neural Networks, NLP, Artificial Intelligence, Data Visualization.**
- **Languages: Spanish, English (Business), German (B2 Level Certificate), French (B2 Level Certificate).**