Diego Amieva Alvarado

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WORK EXPERIENCE

doHealth **CDMX, MX**
Data Analyst Jr *October 2021 - present*
- Researched KPI and wrote python scripts to analyze PostgreSQL database from clients, finding insight and patterns to decrease the stock item waste by 65%
- Designed and implemented a dashboard highlighting the significant KPI using Angular, HTML, and CSS, improving the client's comprehension of the insight reported.
- Automated a report for the sales team using filters, parameters, and calculated sets that automatically qualified KPI, improving the item bought rate by 70%

OTHER WORK EXPERIENCE

Marquette University Integrative Neural System Laboratory **MILWAUKEE, WI**
Intern *January 2020-July 2020*
- Developed a predictive model in MATLAB that uses human gait kinematics and kinetics to predict muscle activation profiles (EMG envelope) of the tibialis anterior and medial gastrocnemius, with an accuracy greater than 80%.
- To obtain and create the optimal configuration, evaluate, and interpret neural network parameters such as number of neurons, number of capable, and window width.
- Designed and implemented tables and plots such as heat maps, bar graphs, and time series, showing the research findings.

Universidad Iberoamericana Department of Engineering Studies for Innovation **CDMX, MX**
Intern *August 2019-December2019*
- Collected EEG signals from 30 volunteers between 19 and 25 years old who did not have physical or mental disabilities.
- Processed and filtered the EEG signals obtained to generate a signal bank.
- Developed a predictive model in Python using Keras to anticipate the response of the p300 test with an accuracy greater than 75%

LEADERSHIP EXPERIENCE

Universidad Iberoamericana **CDMX, MX**
General Secretary of the President's Council of Student Societies *August 2019-December 2019*
- Organized biweekly meetings and achieved monthly goals such as reducing the use of PET at the University by 40% through awareness campaigns and activities and increasing awareness of bullying by 15% by creating a gender commission.
- Strengthened the communication link between COPSAI and the authorities of the Universidad Iberoamericana, agreeing to have two meetings per semester with the vice-rectory to communicate the students' problems.
- Consolidated the relationships between the Universidad Iberoamericana with other Universities in Mexico City, participating in and creating interuniversity events to share and learn from each University's singularities.

Universidad Iberoamericana **CDMX, MX**
President of the Biomedical Engineering Student Society *August 2018-May, 2019*
- Coordinated weekly meetings and exceeded monthly goals, such as increasing the annual biomedical engineering budget by 200% and increasing communication between the coordination of the career and the student society by holding a monthly meeting.
- Supervised and collaborated with other student societies to carry out the "Innovation" event, which consisted of an interdisciplinary competition to generate technical assistance for a person with a disability.
- Carried out the 45th "Espacio Biomedico" of the Universidad Iberoamericana, national and international speakers came with different expertise fields of biomedical engineering.

EDUCATION

Universidad Iberoamericana **CDMX, MX**
B.Sc. in Biomedical Engineer *August 2015 - December 2020*
- GPA: 8.8 / 10
- Relevant subjects: Fundamentals of Programming, Object-Oriented Programming, Databases, Linear Algebra, Probability and Statistics, Electrical Engineering, Classical and Modern Automation Engineering.

CERTIFICATIONS

Coursera **Online**
Google Data Analytics Professional Certificate *August 2021-present*
Coursera **Online**
IBM Data Sciences Professional Certificate *September 2021-present*

SKILLS

***Technology*:** Windows 10/8/7, MAC OS X, Linux, Microsoft Office, SQL, HTML, C, Python (Pandas, PyTorch, Seaborn, Keras, TensorFlow), Java, Swift, Django, MATLAB, Tableau.

***Languages*:** Spanish (Native), English (Level B2-C1)