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Miguel E. Guerra

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Working Experience

EPAM Systems at Google (Mexico City, Mexico)
Software Engineer

May 2019 - Present

Education

Universidad Autónoma Metropolitana (Mexico City, Mexico)

Sep 2014 - Dic 2018

- **Major:** Computer Engineering B.S.E (GPA: 3.7)
- **Coursework:** Algorithms & Data Structures, Database Systems, Data-Mining, Networks, Operating Systems, Statistics
- **Extracurricular Activities:** Teaching Assistant for Calculus and Algebra, gave conference to over 50+ students and faculty members regarding OpenGL (Solar System) personal project
- **Class rank:** ranked one out of sixty-two students

Technische Universität Berlin - International Exchange Program (Berlin, Germany)

Sep 2017 - Apr 2018

- **Coursework:** Machine Learning I, Machine Intelligence I, Python for Machine Learning, Digital Innovation

Udacity (online course)

Jul 2018 - Jan 2019

- **Certificate:** Machine Learning Engineer Nanodegree
- **Coursework:** Supervised Learning, Unsupervised Learning, Deep Learning, Reinforcement Learning

Coding Dojo (San Jose, CA, USA)

Jun 2016 - Jul 2016

- **Certificate:** MEAN Stack Development
- **Coursework:** Javascript, HTML, CSS, Angular, MongoDB, Nodejs, Express

Missouri Military Academy (Mexico, MO, USA)

Aug 2005 - Jun 2008

- **High School**
- **Accomplishments:** Captain rank JROTC, Band Commander (thirty-three band members)

Programming Experience

<https://github.com/migueleguerra> (for additional information and projects)

Multi-text classification prediction model for bank customer complaints

- Analyzed a data set of one million customer complaints of an American bank on the Kaggle server using Jupyter Notebook and Python
- Pre-processed the data set using Pandas and Numpy and implemented visualization libraries (Matplotlib and Seaborn)
- Transformed words into numerical values to be able to work with supervised learning models
- Trained and tested best supervised learning models using Scikit-Learn with the best accuracy from three pre-selected algorithms
- Optimized metrics (precision, recall, f1-score) to get a better prediction. Obtained 0.86 f1-score average

Company website for Arnaud International Trading Company (<https://arnauditc.com>)

- Created and developed a web application using Angularjs, Nodejs, Express, and MongoDB
- Utilized a Bootstrap web template
- Added Nodemailer and Mailchimp, third-party services for marketing and subscription purposes
- Deployed and configured the web application to Digitalocean cloud server using Ubuntu

E-mail survey web application

- Created and developed a web application using React, Redux, ReactDOM, Nodejs, Express, and MongoDB
- Integrated user authentication using Cookie-Session and Passport with Google OAuth
- Added Stripe as payment service, Sendgrid as e-mail marketing service and utilized Materialize CSS
- Deployed to Heroku cloud server

Skills

Software: *Proficient* in Javascript, HTML/CSS, Python, Java, SQL, C, Git, Linux; *familiar* with R, C#, C++, Swift, AWS, Assembly
Personal: Advance english; guitar and saxophone player; love to skateboard, snowboard and surf; former chef with more than six years of cooking experience.