



# RÉSUMÉ

艾怡華

EVA VIRGINIA ARÉVALO RIVARA

HSINCHU CITY, 300 · TAIWAN · [93.EVAR@GMAIL.COM](mailto:93.EVAR@GMAIL.COM)

Passionate Machine Learning Researcher striving to incorporate machine learning to the workflow of real-world tasks to expedite the process and render it more efficient. Hands-on experience with state-of-the-art NLP models (**BERT**) and implementing deep learning models (**Tensorflow/PyTorch**) for **NLP** applications; as well as more traditional **supervised and unsupervised learning** tools. Acquainted with performing classification and more general heuristic tasks through **Genetic Algorithms** and **Pattern Recognition** techniques. Experience crawling and processing datasets from Social Media platforms (Twitter). Fundamental understanding of **Parallel Programming**.

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# EDUCATION

## NATIONAL TSING HUA UNIVERSITY

September 2018 - Present

### MS. IN COMPUTER SCIENCE

HSINCHU CITY, TAIWAN

Research work performed under the guidance of Prof. Chen Yi-Hsin. Focused on the application of Machine Learning techniques to detect Manic Episodes in Bipolar users in Social Media Platforms.

GPA: 4.27

## NATIONAL TSING HUA UNIVERSITY

September 2014 - June 2018

### BS. IN COMPUTER SCIENCE

HSINCHU CITY, TAIWAN

## NATIONAL TAIWAN NORMAL UNIVERSITY

September 2013 - August 2014

### INTENSIVE MANDARIN STUDIES

TAIPEI CITY, TAIWAN

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# SKILLS

## PROGRAMMING LANGUAGES

C, C++, Python, Java, SQL, MySQL, MATLAB, Arduino, Verilog

## MACHINE LEARNING & DEEP LEARNING

### AI

- ✓ Clustering (k-means/DBSCAN)
- ✓ PCA / TSNE
- ✓ Classification / Linear Regression
- ✓ Time Series
- ✓ Genetic Algorithms (GA)
- ✓ Pattern Recognition
- ✓ Tensorflow / Keras / Tensorhub
- ✓ Pytorch
- ✓ CNNs, RNNs, LSTMs, GANs
- ✓ Deep contextual representations (ELMo, BERT)

## WEB DEVELOPMENT

- ✓ HTML5 / CSS / JavaScript
- ✓ NodeJs / Flask
- ✓ React / Bootstrap
- ✓ MySQL / PostgreSQL / MongoDB
- ✓ Amazon Web Services (AWS) EC2, S3, RDS Services
- ✓ Docker
- ✓ Web visualizations with d3.js & Neo4j

## MISCELLANEOUS

- ✓ Parallel Programming
- ✓ CUDA Programming

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# WORK EXPERIENCE

## NATIONAL TSING HUA UNIVERSITY

September 2019 - January 2020

### TEACHER ASSISTANT

HSINCHU CITY, TAIWAN

Teacher Assistant for the Data Mining: Concepts, Techniques, and Applications course, offered by Prof. Chen Yi-Hsin, National Tsing Hua University, Institute of Information Systems and Applications (ISA 5810, Fall 2019).

## NATIONAL TSING HUA UNIVERSITY

February 2019 - June 2019

### TEACHER ASSISTANT

HSINCHU CITY, TAIWAN

Teacher Assistant for the Data Structures course offered by Prof. Chen Yi-Hsin, National Tsing Hua University, Computer Science Department (CS 2351, Spring 2019).

## EMBASSY OF CANADA

July 2013 - August 2013

### IMMIGRATION PROGRAM REGISTRY CLERK

GUATEMALA CITY, GUATEMALA

Podcasting operational change management inside of workflows to establish a framework. Taking seamless key performance indicators offline to maximise the long tail. Keeping your eye on the ball while performing a deep dive on the start-up mentality to derive convergence on cross-platform integration.

## EMBASSY OF CANADA

June 2013 - June 2013

### RECEPTIONIST AND SWITCHBOARD OPERATOR

GUATEMALA CITY, GUATEMALA

Assisting and expediting the processing of visa applications. Managing and maintaining the storing of visa applications. Performing general office administration duties.

## TELUS INTERNATIONAL

July 2013 - August 2013

### CUSTOMER SERVICE REPRESENTATIVE (FRENCH LANGUAGE DIVISION)

GUATEMALA CITY, GUATEMALA

Customer Service Representative for online game platform Zynga. Assisting and providing information to customers.

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## LANGUAGES & SOFT SKILLS

### LANGUAGES

- ✓ **Spanish** - Native Proficiency
- ✓ **French** - Native Proficiency
- ✓ **English** - Native Proficiency
- ✓ **Chinese** - Professional Working Proficiency
- ✓ **Japanese** - Beginner Proficiency

### SOFT SKILLS

- ✓ Strong sense of responsibility
- ✓ Aim for Efficiency and Excellency
- ✓ Good Organizational Skills
- ✓ Adaptability
- ✓ Proactive
- ✓ Pragmatic approach

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# LICENCES & CERTIFICATES

## LEGAL TRANSLATION CERTIFICATE (ENGLISH-SPANISH)

December 2012

MINISTRY OF EDUCATION, GUATEMALA (MINEDUC)

GUATEMALA CITY, GUATEMALA

Authorized by the Ministry of Education , Guatemala to provide legal translation and interpretation services (Spanish-English).

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