

# Jeffri Murrugarra Llerena

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## Personal Data

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## Education

03/2018– **Exchange Bachelor Student in Computer Science**, *Institute of Mathematics and Computer Science (ICMC)*, University of São Paulo, São Carlos, Brasil.  
03/2015– **Bachelor in Computer Science**, *Departament of Informatics (INF)*, National University of Trujillo, Trujillo, Perú.  
12/2019(exp)

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## Certifications

**Machine Learnig**, [Coursera](#) , Online.

**Deep Learning specialization**, *Neural Networks and Deep Learning, Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Structuring Machine Learning Projects, Convolutional Neural Networks*, [Coursera](#), Online.

**Natural Language Processing**, [Coursera](#), Online.

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## Thecnical Skills

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|-----------------------|--|--------------|---|
| Programming Languages | C/C++, Java, Python, Octave, R, Prolog | Ide's        | NetBeans Ide, Eclipse, Code Blocks                  |
| Databases             | Sql, Mysql                             | Scripts      | Php, Html   |
| Tools                 | Tensorflow, Keras, Github              | Technologies | deep learning, machine learning, data visualization |

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## Area of interest

- Machine Learning
- Analysis and Design of Algorithm
- Computer Vision

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## Profesional Experience

01/2016– **Web developer intern**, *7G - Solutions*, Trujillo - Peru, Developed modules to simulate entrance exams for public universities.It was developed in PHP.  
01/2017

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## Languages

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|------------|--------------|------------------------|
| Spanish    | Fluid        | <i>native language</i> |
| English    | Intermediate |                        |
| Portuguese | Intermediate |                        |

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## Projects

**Morphing 3d between objects**, Developed a program to transform a set of  $n$  points to another  $m$  points using a variation of nearest point algorithm in 3D. It was developed in C++, Live demo [here](#).

**Detection of cancerous moles by the abcde method using MLP**, Developed a tool to detect cancerous moles extracting features such as asymmetry, edges, color, diameter as an input for a multilayer perceptron, a 97.5 precision accuracy was obtained with the Hold Out method. It was developed in matlab.

**Design and implementation of a relational base Kepler Academy**, It was designed and developed an E-R diagram for Kepler Academy. It was developed in Mysql.

**Detection and classification of Potato Diseases**, Developed a program to detect affected areas of a potato leaf and classify them in three groups: healthy leaves, leaves with mild infection, leaves with late infection. It was developed in Python.

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## Honors And Awards

- 06/2019 **Travel Award**, *Thirty-sixth International Conference on Machine Learning*, ICML, Longbeach - Estados Unidos.
- 11/2017 **Honorable Mention**, *ACM - International Collegiate Programming Contest(ACM - ICPC)*, South America/South Regional Contest, Contestant, Lima - Peru.
- 10/2017 **302st Rank**, *Institute of Electrical and Electronics Engineers*, IEEEEXTreme Programming Competition 11.0 , Mundial Contest.
- 11/2016 **Honorable Mention**, *ACM - International Collegiate Programming Contest(ACM - ICPC)*, South America/South Regional Contest, Contestant, Trujillo-Peru.
- 10/2016 **9st Rank**, *IEEE - Section Peru*, Brain Coding 1.5, Virtual.
- 11/2015 **Honorable Mention**, *ACM - International Collegiate Programming Contest(ACM - ICPC)*, South America/South Regional Contest, Contestant, Trujillo-Peru.

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## Workshop Publications

- 06/2019 **Jeffri Murrugarra Llerena**, *A classic approach to detect potato diseases. In Proceedings of LatinX in AI research workshop. Thirty-six International Conference on Machine Learning (ICML), Long Beach, California, USA, 2019.*

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## Conferences and Events - Presenter

- 06/2019 **Poster Presenter**, *A classic approach to detect potato diseases*, In *Proceedings of LatinX in AI research workshop. Thirty-six International Conference on Machine Learning (ICML)*, Long Beach, California, USA, 2019.
- 04/2019 **Speaker**, *A overview the world of Artificial Intelligence*, Flisol, Flisol 2019, Trujillo - Peru, 2019.
- 12/2017 **Speaker**, *Competitive Programming*, Hack Space. Core Upgrade 2017, Trujillo, Peru, 2017.

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## Conferences and Events - Attendant

- 06/2019 **Attendant**, *Conference on Computer Vision and Pattern Recognition*, CVPR, Longbeach - Estados Unidos.
- 06/2019 **Attendant**, *Thirty-sixth International Conference on Machine Learning*, ICML, Longbeach - Estados Unidos.
- 06/2018 **Attendant**, *SemComp 2018*, Semcomp, São Paulo - Brasil.
- 12/2016 **Attendant**, *Core Upgrade 2016*, Hack Space, Lima - Peru.