Education

03/2020-present	Federal University of Rio Grande do Sul Master student in Computer Science	Porto Alegre - Brazil GPA: 4.0
03/2015-12/2019	National University of Trujillo Bachelor in Computer Science	Trujillo - Peru GPA: 3.7
03/2018-12/2018	University of São Paulo Exchange Bachelor in Computer Science	São Carlos - Brazil GPA: 4.0

Certifications

Deep Learning specialization, *Coursera Certificate*, Online
Natural Language Processing, *Coursera Certificate*, Online
Machine Learning, *Coursera Certificate*, Online

Area of interest

- Machine Learning
- Analysis and Design of Algorithm
- Computer Vision
- Natural Language Processing

Research Experience

03/2020–present	**Research assistant**, *Laboratory of Computer Vision - Federal University of Rio Grande do Sul*, Porto Alegre - Brazil, Research about spherical images and object detection, published 3 articles in top conferences (CVPRW) and journal (ACM-surveys)

Selected Projects

Probabilistic IoU for Training and Evaluation of Oriented Object Detectors, *We propose a differentiable probabilistic IoU (ProbIoU) that can be used for training and evaluating Horizontal or Oriented Bounding Boxes object detectors with non-linear mappings or tunable hyperparameters and it is competitive with the SOTA methods for Oriented Bounding Boxes.*

Publications

09/2022	**Jeffri Murrugarra Llerena**; Fernando Manchego; Nils Murrugarra, Improving Embeddings Representations for Comparing Higher Education Curricula: A Use Case in Computing. Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing, Abu Dhabi, Emiratos Arabes
06/2022	**Jeffri Murrugarra Llerena**; Lucas Kirsten; Claudio Jung, Can We Trust Bounding Box Annotations for Object Detection?. In Proceedings of the IEEE/CVF Conference on CVPRW, New Orleans, Lousiana, USA
06/2022	**Jeffri Murrugarra Llerena**; Thiago Silveira; Claudio Jung, Pose Estimation for Two-View Panoramas Based on Keypoint Matching: A Comparative Study and Critical Analysis. In Proceedings of the IEEE/CVF Conference on CVPRW, New Orleans, Lousiana, USA
02/2022	Thiago Silveira; Paulo G. L. Pinto; **Jeffri Murrugarra Llerena**; Claudio Jung, 3D Scene Geometry Estimation from 360° Imagery: A Survey. ACM Comput. Surv

Honors And Awards

08/2021	**2nd Rank**, *IA-CKATON - safety road*, Peru Contest, Contestant, Online - Peru, link
06/2021	**2nd Rank**, *Entel Challenge - Object detection*, Peru Contest, Contestant, Online - Peru, link
12/2019	**1st Rank**, *Undegrad studies, National University of Trujillo*, UNT, Trujillo - Peru