

Diego David Charrez Ticona

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EDUCATION

- **National University of Saint Augustine**

Bachelor of Science in Computer Science; GPA: 3.72 (15.1/20.0)

Arequipa, Peru

March. 2014 – December. 2018

WORKING EXPERIENCE

- **National University of Saint Augustine**

Software Engineer

Arequipa, Peru

January 2019 - Present

- **University Office of Computer Science and Systems (OUIS):** OUIS has the mission to maintain, improve and develop software systems that provide services for more than thirty thousand undergraduate and graduate students that the National University of Saint Augustine has. I analyze and get insights from data collected from the university's software to improve their user experience and performance.

RESEARCH EXPERIENCE

- **IPRODAM3D**

Researcher

Arequipa, Peru

July 2019 - Present

- **Image Processing and Data Mining (IPRODAM 3D):** is a research group founded in 2013 with professors and students from the National University of San Agustín and La Salle University from Arequipa where the professor Cristian Lopez del Alamo is working with me in my undergraduate thesis about robot navigation in the real world using deep reinforcement learning.

- **LatinX in AI**

Remote Research Volunteer

San Francisco, CA

June 2019 - Present

- **Longitudinal Study on AI Research Conference Paper Submissions.:** Gather insight from submissions and reviews on rejected papers from top AI conferences, like NeurIPS, ICLR, ICML and others. Contributed code to the main repository and crawled important data for the research.

PROJECTS

- **Reinforcement Learning (September 2019 - Present):** Reinforcement Learning specialization from the University of Alberta in Coursera.
- **Undergraduate Thesis (October 2019 - Present):** Sim to real transfer in navigation in Deep Reinforcement Learning models trained in a simulation have a similar performance in the real world in physical agents.
- **AI Driving Olympics (October 2018 - Present):** Robotics and AI competition held in NeurIPS 2018, ICLR 2019, and NeurIPS 2019 where I have participated using Deep Reinforcement Learning models and received on behalf of the Duckietown Foundation hardware donation and AWS credits in Sagemaker. I have also contributed code to their repositories.
- **Deep Learning Meetup (July 2018 - June 2019):** Paper discussions and presentation related to deep learning in the National University of St Augustine.

AWARDS

- **Travel Award:** To attend SIGKDD 2018 in London, sponsored by the National University of Saint Augustine.
- **Udacity scholarships:** AWS DeepRacer Challenge Scholarship Winner, Secure and Private AI Nanodegree, Pytorch Nanodegree, Secure and Private AI Nanodegree, Pytorch Nanodegree.

ACTIVITIES

- **Medium:** Blogs about statistics in artificial conferences (ICLR, NeurIPS) with thousands reads.
- **ICPC:** Contestant in The 2015 and 2018 ICPC (International Collegiate Programming Contest) South America/South Finals
- **Conference Organizer:** Organizer of the Latin Conference in Informatics CLEI 2015, II International Congress of Trends in Educational Innovation CITIE - 2018, First Peruvian Deep Learning Symposium 2019 held in Arequipa.

SKILLS & INTERESTS

- **Computer Science:** Machine learning tools (tensorflow, pytorch), Python, C++, Git, LaTeX.
- **Languages:** I am able to speak and write in Chinese, Spanish (native), Portuguese and English.
- **Interests:** Robotics and science, learning new languages and running.