Diego David Charrez Ticona

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EDUCATION

- **National University of Saint Augustine** — Arequipa, Peru
  Bachelor of Science in Computer Science; GPA: 3.72 (15.1/20.0) — *March. 2014 – April. 2019*

WORKING EXPERIENCE

- **National University of Saint Augustine** — Arequipa, Peru
  Software Engineer — *January 2019 - April 2020*
  - **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** — Arequipa, Peru
  Researcher — *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. The professor Cristian Lopez del Alamo is advising my undergraduate thesis that is about robot navigation in the real world using deep reinforcement learning.

- **LatinX in AI** — San Francisco, CA
  Remote Research Volunteer — *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. Contributed code to the project's repository, crawled essential data for the research and applied machine learning algorithms to derive patterns in the data.

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 has a similar performance in the real world in physical agents.
- **AI Driving Olympics (October 2018 - Present)**: Robotics and Artificial Intelligence competition held in NeurIPS 2018, ICLR 2019, and NeurIPS 2019, where I have participated using Deep Reinforcement Learning models. Received on behalf of the Duckietown Foundation hardware donation and AWS credits in Sagemaker. I have also contributed code to their repositories.

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 intelligence conferences (ICLR, NeurIPS) with thousands of 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 in Arequipa.
- **Deep Learning Meetups**: Paper discussions and presentations about deep learning at the National University of St Augustine.

SKILLS & INTERESTS

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