



Andrés Vega Alcívar Physicist

Ecuadorian

Skills

Python	2+ yrs.
Matlab	1+ yrs.
Big data/ Data science	1- yrs.
Machine Learning	1+ yrs.
Spanish	Native
English	B2

Interests

- Guitarist
- Quantum Computation
- Science
- Physics
- Rugby

Contact

- Barcelona, Spain
- **u** +34 665593996
- andres93.v@hotmail.com

Biography

I consider myself a highly adaptable, proactive individual with a great desire to work and learn. I have great determination and initiative towards the search for efficient solutions. I am a very passionate for science person with desires of develop research to contribute to the academia and the industry.

Education

Universitat de Barcelona Quantum Information • Quantum Software • Quantum Hardware European Master Certificate in Quantum Science and Technology EFEQT programme 09/2021 - 09/202 Quantum Technologies 03/2014 - 07/202 Physics (BSc) 03/2014 - 07/202 Universidad Yachay Tech 03/2014 - 07/202 Computational Physics • Physical Science • Quantum Graduate thesis: "Controlled Quantum Teleportation Over Noisy Channels". 03/2022 - 09/202 Work experience 03/2022 - 09/202 Internship 03/2022 - 09/202 Hardware Intern Qilimanjaro (Barcelona) 03/2022 - 09/202 Design and simulation of superconducting quantum chips. 12/2018 - 02/202 Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) 12/2018 - 02/202 To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. 10/2017 - 12/202 Part-time Research Assistant Universidad Yachay Tech (Urcuquí) 10/2017 - 12/202		
Quantum Information • Quantum Software • Quantum Hardware European Master Certificate in Quantum Science and Technology EFEQT programme 09/2021 - 09/202 Quantum Technologies 03/2014 - 07/202 Physics (BSc) 03/2014 - 07/202 Universidad Yachay Tech 03/2014 - 07/202 Computational Physics • Physical Science • Quantum Graduate thesis: "Controlled Quantum Teleportation Over Noisy Channels". Work experience Internship 03/2022 - 09/202 Hardware Intern Qilimanjaro (Barcelona) 03/2022 - 09/202 Design and simulation of superconducting quantum chips. 12/2018 - 02/201 Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) 12/2018 - 02/201 To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. 10/2017 - 12/201 School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		
European Master Certificate in Quantum Science and Technology 09/2021 - 09/202 EFEQT programme Quantum Technologies Physics (BSc) 03/2014 - 07/202 Universidad Yachay Tech 00 Computational Physics • Physical Science • Quantum Over Noisy Channels". Work experience 03/2022 - 09/202 Internship 03/2022 - 09/202 Hardware Intern 03/2022 - 09/202 Hardware Intern 03/2022 - 09/202 Hardware Intern 03/2022 - 09/202 Radiological Protection 12/2018 - 02/202 Centro de Medicina Nuclear y Molecular H.C.A.M 10/2017 - 12/202 School of Earth Sciences, Energy and Environment 10/2017 - 12/202 School of Earth Sciences, Energy and Environment 10/2017 - 12/202 School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuqui) Design and development of an electron probe micro-analyzer (E.P.M.A) device 10/2017 - 12/202		
and Technology EFEQT programme Quantum Technologies Physics (BSc) Universidad Yachay Tech Computational Physics • Physical Science • Quantum Graduate thesis: "Controlled Quantum Teleportation Over Noisy Channels". Work experience Internship Hardware Intern Qilimanjaro (Barcelona) Design and simulation of superconducting quantum chips. Internship Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		Quantum Information • Quantum Software • Quantum Hardware
Physics (BSc) 03/2014 - 07/201 Universidad Yachay Tech Computational Physics • Physical Science • Quantum Graduate thesis: "Controlled Quantum Teleportation Over Noisy Channels". Work experience Internship 03/2022 - 09/201 Hardware Intern 03/2022 - 09/201 Qilimanjaro (Barcelona) 03/2022 - 09/201 Design and simulation of superconducting quantum chips. 12/2018 - 02/201 Radiological Protection 12/2018 - 02/201 Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) 10/2017 - 12/201 To Guaranteed the radiological safety of patients, and the professional team of Center. Surveillance of radiation and radioactive contamination. 10/2017 - 12/201 School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device	,	and Technology
Universidad Yachay Tech Computational Physics • Physical Science • Quantum Graduate thesis: "Controlled Quantum Teleportation Over Noisy Channels". Work experience Internship Hardware Intern Qilimanjaro (Barcelona) Design and simulation of superconducting quantum chips. Internship Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		Quantum Technologies
Universidad Yachay Tech Computational Physics • Physical Science • Quantum Graduate thesis: "Controlled Quantum Teleportation Over Noisy Channels". Work experience Internship Hardware Intern Qilimanjaro (Barcelona) Design and simulation of superconducting quantum chips. Internship Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		
Graduate thesis: "Controlled Quantum Teleportation Over Noisy Channels". Work experience Internship 03/2022 - 09/202 Hardware Intern Qilimanjaro (Barcelona) Design and simulation of superconducting quantum chips. Internship 12/2018 - 02/202 Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) To Guaranteed the radiological safety of patients, and the professional team of Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant 10/2017 - 12/201 School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		
nternship 03/2022 - 09/202 Hardware Intern Qilimanjaro (Barcelona) Design and simulation of superconducting quantum chips. 12/2018 - 02/201 Radiological Protection 12/2018 - 02/201 Radiological Protection Quito) To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant 10/2017 - 12/201 School of Earth Sciences, Energy and Environment 10/2017 - 12/201 Design and development of an electron probe micro-analyzer (E.P.M.A) device 10		
Hardware Intern Qilimanjaro (Barcelona) Design and simulation of superconducting quantum chips. Internship Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		Work experience
Qilimanjaro (Barcelona) Design and simulation of superconducting quantum chips. Internship 12/2018 - 02/201 Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant 10/2017 - 12/201 School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) 10/2017 - 12/201 Design and development of an electron probe micro-analyzer (E.P.M.A) device 10		Internship 03/2022 - 09/202
Internship 12/2018 - 02/2018 Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) To Guaranteed the radiological safety of patients, and the professional team of Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant 10/2017 - 12/2018 School of Earth Sciences, Energy and Environment 10/2017 - 12/2018 Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		
Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		Design and simulation of superconducting quantum chips.
Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M (Quito) To Guaranteed the radiological safety of patients, and the professional team o Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		Internship 12/2018 - 02/2019
Center. Surveillance of radiation and radioactive contamination. Part-time Research Assistant School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device	 (Radiological Protection Centro de Medicina Nuclear y Molecular H.C.A.M
School of Earth Sciences, Energy and Environment Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		To Guaranteed the radiological safety of patients, and the professional team of Center. Surveillance of radiation and radioactive contamination.
Universidad Yachay Tech (Urcuquí) Design and development of an electron probe micro-analyzer (E.P.M.A) device		Part-time Research Assistant 10/2017 - 12/201
Certificates		Design and development of an electron probe micro-analyzer (E.P.M.A) device.
		Certificates

Programming a Quantum Computer with Qiskit -
IBM SDK10/2020Introduction to Machine Learning05/2021

B2 Certificate TOEFL iBT

Barcelona, 21st May 2022

Andrés Vega