

# Gerald Fernando Salazar Quiroz

## STEM Workforce Builder & R&D Consultancy

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Strategic-driven and multidisciplinary specialist with over 10+ years of experience in STEM workforce development. With a strong academic background in physics, media and transfer technology policies and proven record of enhance the impact of private, public, on-site and/or virtual STEM workforce programs. Seeking to challenge myself by pursuing advanced projects and taking on leadership roles in the deeptech industry.

### AREAS OF EXPERTISE

- STEM Workforce Management
- Managing Scouting, Transfer Technology and R&D Projects
- Multimedia content production and STEM event design and execution
- Multidisciplinary research in particle physics, nanomaterials, artificial intelligence and quantum computing
- Cross-functional teams for prototyping, testing, and validating novel research.

### KEY ACHIEVEMENTS

- **Exceptional STEM Project Management:** Orchestrated over 50 STEM workshops in the past four years, spearheaded three digital science communication campaigns, provided consulting for TV, and secured \$500k in research funding.
- **Strategic Navigation between Institutional Dynamics:** Conducted modernization process of R&D policies and in the Ministry of Production, Ministry of Economy and Ministry of Education during 2023 an 2024.

### PROFESSIONAL EXPERIENCE

**Director,** Science Clubs Peru 03.2017 – Actually

- Co-designed and operationalized a competitive STEM program lead by 50 PhD graduates in close partnerships with universities and schools. With more than 1200 alumni, PSC has built the foundations for the next Peruvian scientific generation.
- Leading more than 20 team members focused on workforce development, advocacy and STEM outreach activities in Peru and Latam.

**STEM Outreach Consultant,** Faculty of Science 03.2024 – Actually

- Consultancy of a content strategy for the faculty, including rearrangement of internal roles for unification of the channels of communication, publishing content related with scientific events and building new collaborations with private and public stakeholders.

**Transfer Technology Specialist,** Ministry of Production 10.2023 – 04.2024

- Evaluation of the STEM Workforce's Policies in the Technology Transfer Centers of the Ministry of Production.

**Transfer Technology Specialist,** Directorate of Innovation and Technology Transfer  
National University of Engineering 10.2022 – 05.2023

- Establish mechanisms to promote the STEM workforce-uptake strategies by stakeholders, faculties and government.

**STEM Education And Outreach,** National Engineering University 2016 - 2022

- STEM University Program Coordinator, Scientific Journal editorial manager and R&D project manager
- Lead the development and implementation of the communication strategy, process and stakeholders monitor status for 3 Outreach STEM campaigns focused on COVID-19, Earthquake and Risk Mitigation, Renewable Energies and Sustainability.
- Coordinating all communication aspects of the projects and associated campaigns which include third-parties communication operations.
- Prepares project timelines, define project's deliverable, monitor status of task and enforce deadlines.
- Managed all the editorial process of the journal in coordination with the editorial board for six number: Vol30N2, Vol30N1, Vol29N2, Vol29N1, Vol28N2, Vol28N1.

## EDUCATION

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### Barcelona Institute of Science and Technology, Barcelona

Master in Multidisciplinary Research in Experimental Sciences 2022

### National University of San Marcos, Peru

Master in Public Management 2021

### University of Lima, Peru

Communication 2015

### National Engineering University, Peru

Physics 2010

## DEEPTech SPECIALIZATION

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- Womanium Quantum+AI 2024
- 2023 Training Course on Technology Transfer Professionals, KOICA 2023
- Kim Global - BIST Innovation Program 2022
- Advanced Techniques in Experimental Sciences (ATES, Winter School) 2022
- Symposium on Microscopy, Nanoscopy and Imaging Sciences 2022
- First School on Data Science and Machine Learning - ICTP South American Institute for 2019
- Oviedo University, University Expert in Dissemination and Scientific Culture 2011

## VOLUNTEER & SCHOLARSHIPS

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Science Clubs International 2020 – currently

- Member of the organizing committee of the first edition of Science Club International.

Algorights, Barcelona 2021 - 2022

- Member of Algorights, a collaborative network that aims to promote civil society participation in artificial intelligence

Canodrom, Barcelona 2021 - 2022

- 2022's Scholarship for the Open technologies and participatory Democracy Program

All Tech Is Human, Virtual 2021 – 2022

- 2022's Scholarships of the Responsible Tech Mentorship Program

Cientificos.pe 2012 – 2014

- Co-founder. One of the first online communities to connect Peruvian scientists all over the world with undergraduate students in Peru using the potential of ICT platforms (online conferences, mentoring, etc.).