Esteban Tapia

Biologist, Computer Engineer.

Address C.P. 83139, Hermosillo, Sonora

Phone 6621224856

E-mail tapiao.e@outlook.com

Skills

- Extensive laboratory and crop field research trials experience.

- Quality control and monitoring experience.

- Database management, records, and analysis.

- Proficient with Microsoft Office, and integrated development environments (IDEs) including R Studio, PyCharm, and Visual Studio Code.

- Adept in programming languages such as Python and R for data analysis, enabling effective manipulation, visualization, and interpretation of datasets.

- Bilingual; fluent in English and Spanish with technical writing and translation experience.

- Basic/Intermediate Japanese language communication, supported by possession of the N5 level JLPT (Japanese Language Proficiency Test) certificate.

- Disciplined, professional attitude, strong work ethics, detail oriented, with excellent verbal and written communication skills.

- Able to follow detailed procedures accurately and reproducibly.

Work History

Sep 2022 - Jul 2024 **Research Associate (Satellite Imagery Analyst)**
Universidad De Sonora (Internship), Hermosillo, México
- Collect satellite imagery data and photographs to study vegetation dynamics within arid ecosystems and anthropogenic activities in Sonora, Mexico.
- Utilize statistical analyses techniques to understand patterns and trends in arid ecosystem vegetation.
- Employ R language for conducting comprehensive statistical analyses and visualization of satellite imagery data.

Jan 2021 - Current

Basic Japanese Language Teacher

Self-employed, Hermosillo, México (Remote)

- Implemented behavior modification strategies, resulting in improved self-regulation and classroom participation among students.
- Enhanced learning experiences by incorporating specialized tools and resources tailored to the needs of special education students.
- Evaluated student progress through regular assessments, providing timely feedback and adapting teaching methods as needed for individual success.
- Increased student proficiency in spoken Japanese through interactive conversation activities and one-on-one feedback sessions.
- Provided one-on-one support for students with learning disabilities, enabling them to excel in their coursework.

May 2022 - Dec 2023

R&D Junior Field Technician/ Junior Data Analyst (Internship)

Morning Star - Gradient, Fresno, California

- Sampling tomato leaves, acquiring nutrition laboratory analysis, and subsequently disseminating results to agronomists responsible for fertilizing, irrigating, and other pertinent activities, all aimed at fostering a robust crop health regime and ensuring optimal yields.
- Install and maintain various sensors for crops, including humidity, weather stations, and infrared devices in field; conduct regular maintenance checks and ensure proper functioning.
- Implement data generated by sensors to monitor environmental conditions into a live software application, providing growers with real-time access to crop health and irrigation data.
- Leveraging Python for data visualization, by enhancing understanding of vast datasets, enabling informed decision-making and strategic planning.
- Satellite imagery data analysis, specifically focusing on vegetation indices, to contribute to discovery of patterns aimed at forecasting tomato crop yields.
- Collaborate with agronomists to analyze sensor data and make informed decisions regarding fertilization, irrigation, and other crop management practices.

Jan 2017 - Sep 2017

Captioning Agent

CaptionCall, Tucson, Arizona

- Transcribe audio content in real-time for captioning purposes, ensuring accurate representation of spoken dialogue.
- Caption audio content, providing accessible communication for users with hearing impairments and operated captioning software and equipment to synchronize captions with live audio feeds.
- Monitor captioned content for accuracy and make necessary adjustments to ensure clarity and coherence.
- Collaborate with technical support teams to troubleshoot any issues related to captioning software or equipment.
- Maintain confidentiality and professionalism while handling sensitive or private audio content.
- Adhere to established guidelines and standards for captioning accuracy and quality.

Sep 2014 - Dec 2016 **Research Associate: Table Grape Bud Analysis.**
CUPROSA, Hermosillo, Mexico

- Determined grape bunch amount per bud, relative bunch size, and diagnosed fruitfulness problems using intricate dissection and microscopy techniques. Findings determined farming decisions and crop management.

Education

Expected in Jun 2025 **Bachelor of Science: Computer Engineering**
Universidad Virtual Del Estado De Guanajuato - Purísima De Bustos, Guanajuato, México

Bachelor of Science: Biology
Universidad De Sonora - Hermosillo, Sonora, México

Languages

Spanish

◆◆◆◆◆
Bilingual or Proficient (C2)

Japanese

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Elementary (A2)

Certifications

Japanese Language Proficiency Test - N5