Amberly Carolina Sandoval Santiago

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Professional summary

A highly skilled student with a background in Biotechnology Engineering and Full Stack Web Development complemented with foundational knowledge in Artificial Intelligence. Driven by a keen interest in synergizing biotechnology and AI to enhance personalized medicine, and bridge the gap between biological sciences, technology, and AI applications for innovative solutions in healthcare.

Work history

Quality Laboratory Intern, 02/2023 - 05/2023

Philip Morris Mexico - Zapopan, Jalisco

Propose and implement improvements to manufacturing processes and quality control procedures to enhance efficiency and optimise resource utilization.
Key Accomplishments:
- CBN award for the testing and deployment of an app that gathers data about quality processes.
- Reduction of waste from 7% to 4%, saving up to 7,000 dollars.

Laboratory Intern, 08/2022 - 12/2022

Meristemo - Zapopan, Jalisco

- Developed an enhanced micropropagation protocol for *Solanum tuberosum* that results in a 20% increase in propagation efficiency compared to the existing method.
- Involved in meticulous processes of plant tissue culture, sterilization techniques, and nutrient media preparation.

Skills

- Software development
- Agile development
- API integrating
- Team work

Education

Full Stack Web Development: Software development, 08/2023 - 02/2024
Tecnológico De Monterrey - Zapopan
A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node.js, MySQL, MongoDB, Express, Handelbars.js, and ReactJS.

Agile Project Management: Software Development, 11/2023 - 12/2023
Google Career Certificates
A course focused on agile project management, which extensively addressed the philosophy, values, and principles of Agile. The agenda also delved into the pillars of Scrum and their values.

AI Applications and Prompt Engineering: Software development, 11/2023
EdX
This certification signifies a comprehensive understanding of AI frameworks, tools, and applications, coupled with the ability to craft effective prompts for diverse AI systems

Bachelor of Biotechnology Engineering: Biotechnology, 08/2018 - 06/2023
Tecnológico De Monterrey - Zapopan, Jalisco
Solid foundation in applying engineering principles to biological systems, with expertise in molecular biology, genetic engineering and bioinformatics.

- Awarded SEDENA Scholarship
- Graduate with a 92 score

LANGUAGES

English

Advanced
TOEFL C1