

Jorge Rangel de la Tejera

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EDUCATION

Carleton University

Ottawa, ON

Graduation: May 2027

Bachelor of Science in Biomedical and Electrical Engineering, Co-op Option

CGPA: 8.90/12.00 (B)

- Focus Areas: Electronic circuits | Embedded systems

AVAILABILITY

Available for 4 months beginning May 2025

SKILLS

Technical Skills

- Biomedical and Electrical Engineering student with coursework in circuits, system design, and statistical methods.
- Automated data collection and analysis using C++, C and Python, improving efficiency in university projects.
- Built mobile apps with Dart and Flutter, including *Pump Up!* a workout tracker with data visualization, API interaction, and Firebase integration for multimedia and database management.
- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint, Outlook, Teams, OneDrive, and SharePoint)
- Proficient in web development with HTML, CSS, and JavaScript, demonstrated through coursework and academic assignments.
- Collaborated with cross-functional teams using Git, ensuring effective project management and incorporating unit testing for code reliability.
- Experienced in circuit simulation, validation, and testing using specialized software and lab equipment like multimeters, oscilloscopes, and function generators.
- Developed equipment operation skills through hands-on university labs.

Communication skills

- Bilingual in Spanish and English, facilitating effective communication in diverse academic and professional environments.
- Developed basic proficiency in French and German.
- Developed diplomatic skills, critical thinking, and a commitment to international cooperation by participating in TOLMUN, where I collaborated with diverse parties to address global challenges.

Work Experience

United Nations Debate (TOLMUN)

Toluca, Mex

January 2023 - May 2023

Institute of Technology and Higher Education of Monterrey

- Simulation of the works carried out by the United Nations Organization intending to discuss international problems affecting our world. High School students, either nationally or internationally, come together to search for new solutions.
- As an ambassador from the United Nations model, looked for paths so that the world population could come together and fight against wars, crises, misuse of power, discrimination, and other conflicts affecting humanity through diplomacy and negotiation.
- Collaborated with diverse delegations, and promoted consensus-building strategies, to draft and advocate for resolutions addressing pressing global challenges, thereby enhancing diplomatic skills and commitment to global cooperation and peacebuilding efforts.

Sales Associate

Toluca, Mex

May 2023 - August 2023

Walmart

- Assisted customers in locating products and provided information, enhancing the overall shopping experience.
- Managed inventory tasks, ensuring products were well-stocked and organized for optimal customer accessibility.
- Collaborated with team members to maintain store cleanliness and visual presentation standards, contributing to a welcoming and organized retail environment.

PROJECTS

Founder & Developer

Summer 2024

Pump Up! – Workout Routine App

- Developed an app to help users create and manage customized workout routines, selecting specific muscle groups for targeted exercises.
- Designed and implemented features to manage workout routines, exercise tracking, and muscle group selection. Integrated multimedia features, allow users to store and access exercise images and video explanations.

Team Member

Summer 2024

Communication for Engineering Research Project

- Independently finished the research project about Adaptive Pacemaker Technology.
- Prepared detailed reports and presentations using Microsoft Word and PowerPoint.

VOLUNTEER EXPERIENCE

Program Coordinator

SLP, Mex

May 2020 - August 2023

Sueños y Sonrisas

- Led a comprehensive community program targeting people in need, collaborating with Bosch to provide essential resources and pathways to long-term stability.
- Organized volunteer engagement and community events, effectively mobilizing members to participate in addressing the problem and advocating for organized change.
- Organized workshops and panel discussions, emphasizing the importance of empathy, collaboration, and collective action in advocating for social justice and creating inclusive communities.