

# Juan José Barrera Jaimes

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Computer Science and Business Management graduate currently pursuing a master's degree in data Analytics and Information Systems. Fluent in English and Spanish, with hands-on experience in software development, web applications, data analytics, and technology-driven projects. Strong background in problem-solving, leadership, customer service, and relationship building, with a proven record of excellence in academic, athletic, and professional settings. Eager to apply technical, analytical, and business skills to improve processes, support business growth, and contribute to technological innovation.

## Education

**M.S Information Systems and Data Analytics** - Point Park University. (Expected Aug 2026) **GPA 3.80 (4.00)**  
**B. S Applied Computer Science / Business Management** – Point Park University. (Grad April 2025) **GPA 3.30 (4.00)**

## Technology Skills

Python, C#, JavaScript, CSS, HTML, GitHub, SQL, Postman, Render, PHP, Microsoft Office, Tableau, PowerBI, Google Charts

### ***Founder & Developer – Trackeo (Track & Field Results Platform)***

- Designed and developed a track & field results platform, tailored for Latin American athletes and competitions.
- Modeled relational data structures for athletes, meets, and results, enabling querying and filtering of performance data.
- Built a full-stack web application using **Node.js, Express, PostgreSQL, and React**, deploying services via Render and Netlify.
- Implemented dynamic result pages with filtering capabilities (event, athlete, meet), improving data accessibility.

### ***Full-Stack Software Developer – Open Minds Studios***

- Built a full-stack tutoring platform with React, role-based authentication, and cloud-hosted services.
- Designed appointment scheduling workflows, tutor availability management, and student learning module systems.
- Built secure role-based access controls supporting students, tutors, and administrators through dedicated dashboards.
- Integrated automated lead-capture pipelines, email notifications, file uploads, and Google Sheets synchronization
- Modeled and managed application data for users, appointments, courses, learning modules, and tutoring programs.
- Developed responsive and mobile-friendly interfaces focused on usability, scalability, and conversion optimization.

### ***Full-Stack Web Developer – Picklers App***

- Created a web app for Pittsburgh pickleball players to submit and share results, improving visibility and engagement.
- Developed end-to-end functionality spanning frontend interface design, backend logic, and live deployment.
- Built features for data input, result display, and user-friendly navigation to support a smooth community experience.
- Translated a local sports-use concept into a live digital product with practical, real-world functionality.

### ***Web Developer – Efficiency Appliance Services***

- *Built and launched a business website for Efficiency Appliance Services, providing a professional digital presence.*
- *Designed responsive pages that clearly present services, strengthen customer trust, and improve usability.*
- *Converted business requirements into a clean, organized website structure focused on accessibility and ease of navigation.*
- *Supported deployment and go-live execution to deliver a production-ready client website.*

### ***Data Analytics Project – Data Cleaning & Visualization***

- Cleaned raw datasets using Python (pandas), handling missing values, inconsistencies, and data normalization
- Designed data cleaning workflows to improve data quality, accuracy, and usability for analysis
- Performed data validation and preprocessing to ensure consistency across multiple data sources
- Developed interactive dashboards using Tableau and Power BI to visualize trends and support data-driven insights
- Translated raw data into structured, analysis-ready datasets, improving interpretability and reporting efficiency

## **Student and Leadership Experience.**

**Resident Educator/ Resident Educator Mentor  
Student Life, Point Park University, Pittsburgh, PA**

**August 2022 - May 2024/ August 2024 – May 2025**

- Supported residential students by promoting a safe, inclusive, and community-focused living environment.
- Mentored Resident Educators by providing guidance, feedback, and support for leadership and skill development.
- Communicated university policies, resources, and expectations clearly to residents and student staff.
- Assisted with conflict resolution, student concerns, and complex interpersonal situations within the residence halls.

**Tutor  
Tutoring Center, Point Park University, Pittsburgh, PA**

**August 2024 – August 2026**

- Tutor 3+ students per week in courses like intro to programming, Data Structures, Survey of Programming Languages.
- Conducted one-on-one and group tutoring sessions, focusing on breaking down complex topics into practical examples.

**Student Athlete Advisory Committee  
NCAA DII, Point Park University, Pittsburgh, PA**

**August 2023 – May 2025**

- Represented the Track & Field team to advocate for student-athlete interests, policies, and well-being.
- Led community service initiatives to promote and foster a sense of community among different athletic teams.
- Provided input on NCAA and conference legislation, contributing to policy discussions from a student-athlete perspective.

**Summer Resident Assistant  
Point Park University — Office of Pre-College Programs | Pittsburgh, PA**

**June 2026 – August 2026**

- Supervised and supported 30 high school students ages 14–17 in a residential summer pre-college program.
- Conducted nightly room checks, enforced residence hall policies, and monitored student well-being before bedtime.
- Created and led student activities to promote community building, engagement, and positive peer relationships.
- Served as a mentor, guide, and supportive point of contact for students seeking personal or social related assistance.
- Assisted Pre-College Programs staff with residential operations, student supervision and program logistics,
- Ensured a safe, structured, and welcoming living environment while following emergency and safety procedures.

## **Honors and Activities**

- Track & Field Team Captain, Point Park University (2025 – 2026)
- International Student Club President, Point Park University (2025 – 2026)
- Outstanding Resident Educator, Point Park University Outstanding Student Awards (2024 - 2025)
- Nomination to Student Leader of the year, Point Park University Outstanding Student Awards (2024 - 2025)
- River States Conference Champion and All Conference during indoor and Outdoor 2022,2023,2024 (200m, 400m, 4x400m)
- River States Conference Champion of Character Outdoor (2024)
- Speaker for Freshman Orientation Week
- Featured in Student Highlight: <https://www.pointpark.edu/news-business/juan-barrera-25>