Jennessa Sierra

Associate in Information Technology (AINT) | Expected June 2025
University of Belize | 2021153908

6459 Hugo Chavez Street
Belmopan City, Cayo District
+501 628-7042

✉ jennxsierra@gmail.com
github.com/jennxsierra
linkedin.com/in/jennessa-sierra

JOB OBJECTIVE

Seeking an opportunity to apply my analytical and problem-solving skills to support data-driven projects. Passionate about leveraging technology to enhance workflows, improve efficiency, and develop innovative solutions in a collaborative environment.

SKILLS SUMMARY

- Experienced in leadership and guiding teams to achieve organizational goals and objectives.
- Exceptional problem-solving skills and programming expertise developed through various projects.
- Strong communication and interpersonal skills developed through presentations and team roles.
- Adept at time management and prioritizing tasks effectively in both individual and collaborative settings.
- Dedication to learning new skills and adapting to challenging situations.

COMPUTER SKILLS

- **Languages**: C++, HTML, CSS, JavaScript, SQL, Python
- **Tools & Softwares**: Git, Markdown, CLI, GitHub, Visual Studio Code, JetBrains IDEs, Microsoft Office
- **Operating Systems**: Windows, MacOS, Linux (Ubuntu, Mint Cinnamon)

EDUCATION

Candidate for Associate in Information Technology   **Aug 2023 - Present**
University of Belize (Current Cumulative GPA: 3.85)   *Belmopan, Cayo*

Relevant Assignments:

FlipDeck '98, **GUI Programming, May 2025**
- Designed and implemented a flashcard tool with Node.js, Express, PostgreSQL, TypeScript, and EJS for efficient learning and recall.
- Created detailed and comprehensive technical documentation covering program implementation.

Echo Chamber, **Systems Programming & Computer Organization, April 2025**
- Utilized Go to build a TCP echo server that supports a set of interactive commands.
- Optimized and reformatted code to ensure optimal formatting and readability.

University of Belize TreeTrack, **Systems Analysis and Design, November 2024**
- Maintained a collaborative effort to develop a web application designed to track and manage trees on the UB campus.
- Communicated and coordinated with team members using GitHub and YouTrack for efficient code collaboration, tracking progress, and maintaining a clean development history.

Relevant Courses: Principles of Programming 1, Principles of Programming 2, Fundamentals of Computing, Introduction to Databases, Data Structures, Web Development, Systems Analysis and Design

Associate of Science in Biology and Chemistry   **Aug 2017 - May 2019**
Saint John's College Junior College (Cumulative GPA: 2.97)   *Belize City, Belize*

WORK EXPERIENCE

Junior Software Developer (Intern)   **Feb 2025 - May 2025**
[Statistical Institute of Belize](#)   *Belmopan, Cayo*

- Built an Employee Contract and Signature App in Oracle APEX and PL/SQL with dynamic contract generation and electronic signature capture.
- Developed a Contract Template Management module with CRUD features and live HTML previews, streamlining template maintenance and reducing administrative overhead.
- Implemented advanced data visualizations, faceted search functionality, and dynamic reporting features to enhance user experience and track contract metrics.

Chapter Chair (Volunteer)   **Aug 2024 - Present**
[UB Association of Computing Machinery Student Chapter](#)   *Belmopan, Cayo*

- Develop and execute chapter programs and strategic initiatives.
- Lead teams in delivering chapter events and activities to meet organizational goals.
- Track and manage chapter assignments and deliverables.

Chapter Secretary (Volunteer)   **Aug 2023 - Aug 2024**
UB Association of Computing Machinery Student Chapter   *Belmopan, Cayo*

- Maintained accurate chapter membership records and provided regular updates to the chapter.
- Organized and archived essential chapter files and documentation.
- Served as the key point of contact for internal and external chapter communications.

Data Input Cleaner   **Oct 2023**
University of Belize   *Belmopan, Cayo*

- Cleaned and consolidated raw data using Google Sheets.
- Communicated with a teammate to effectively distribute workload and meet project deadlines.

AWARDS & SCHOLARSHIPS

Mary O'Connor Scholarship   **Aug 2018**
Saint John's College Junior College   *Belize City, Belize*

Certificate of Excellence   **Nov 2017**
CXC National Awards   *San Ignacio, Cayo*

ACTIVITIES & INTERESTS

- Participating in programming challenges, such as the *Advent of Code* and *30 Days of Code*.
- Practicing and improving chess skills and strategies.
- Engaging in the emulation of retro video games.