Lucia Rivera

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4th year Computer Science & Business Minor student, with hands-on experience in front-end development and object-oriented programming. I am skilled in building dynamic, user-friendly web applications using React, JavaScript, etc. Proven ability to collaborate with agile teams, deliver high-quality UX, and solve complex technical problems to drive impactful results.

Education

University of Victoria, Faculty of Engineering and Computer Science   **Sep 2022 – present**
Bachelor of Computer Science with Business Minor

Skills & Certifications

- **Programming & Web Development:** Python, Java, C/C++, R, JavaScript, HTML5, CSS3, React, Node.js, MATLAB, WordPress, React Testing Library
- **Databases & Cloud:** SQL, MS Access, Oracle, AWS, OpenShift, Power Automate, Azure, Docker
- **Data Analysis & Tools:** R Studio, MS Excel, Power BI, Git, JIRA, Agile/Scrum, Figma, Unix/Linux, Windows, macOS, VS Code, Visual Studio, Typescript, Asana, Slack
- **Soft Skills:** Communication, Leadership, Public Speaking, Problem-Solving, Time Management
- **Languages:** English (Fluent), Spanish (Fluent), Italian (Conversational)

Work Experience

University of Victoria, Faculty of Engineering & Computer Science   Victoria, BC
Teaching Assistant – CSC 105   *Sep 2025 – present*

- Lead lab tutorials for non-CS students, providing hands-on guidance in programming concepts and problem-solving using Python.
- Assisted in the creation and delivery of course materials, including coding exercises.
- Provided technical support during office hours, troubleshooting coding issues, debugging, and guiding students through practical exercises.

University of Victoria, Office of the Student Life   Victoria, BC
Student Life Assistant – Orientation   *May 2025 – present*

- Co-supervise a team of 6-12 student staff, leading training, delegating tasks, and managing schedules to ensure seamless execution of orientation programs.
- Design and implement inclusive orientation programs for new students.
- Assist in the event planning and logistics for large-scale student events.

University of Victoria, Faculty of Science   Victoria, BC
Speakers Bureau Coordinator   *May 2025 – Aug 2025*

- Lead the full project management for the UVic Science Speakers Bureau, overseeing the design and launch of the website using CMS tools like WordPress and Cascade.
- Manage the creation of an easily searchable database, coordinating with faculty and graduate students to solicit and input talk details.
- Develop and execute the project timeline, ensuring timely completion of all phases, including website design, database implementation, and marketing material creation.
- Ensure all web content and marketing materials meet quality standards, troubleshooting issues and providing solutions throughout the project lifecycle.

University of Victoria, Residence Services   Victoria, BC
Residence Education Community Leader   *Aug 2023 – Apr 2025*

- Lead community-building efforts in the Global Citizenship LLC, organizing events and fostering cultural exchange among + 40 international students.
- Guided students in exploring core values, promoting engaged citizenship, and facilitating a smooth transition into university life, contributing to holistic student development.

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Ministry of Citizens' Services, BC Public Service   Victoria, BC
Security Co-op Technical Analyst   *May 2024 – Dec 2024*
- Developed an AI-powered information search application with React and Node.js, enhancing user interaction with dynamic interfaces. Led the design and implementation of a web-based user interface in React, ensuring alignment with best UX practices.
- Created the application for better data analysis and collection, using Cloud Security Schedule as a reference in the prompts, improving the accuracy and efficiency of data retrieval.
- Worked closely with product stakeholders to ensure high-quality user experience.
- Led cross-functional collaboration to design and deploy scalable solutions.
- Managed projects using Agile methodologies and delivered monthly security presentations, emphasizing continuous improvement and security best practices.
- Developed and performed STRA (Security Threat and Risk Assessment) on accessibility software, identifying potential risks and implementing mitigation strategies.

University of Victoria, Centre for Accessible Learning   Victoria, BC
Information Systems and Operations Assistant   *Nov 2022 – Apr 2024*
- Engineered operational advancements at the UVic Learning Assistance Program, specializing in refining processes through adept workflow design and automation strategies.
- Designed and implemented an automated workflow system, reducing processing time.
- Developed a predictive analytics model using R and Python.
- Managed and optimized MS Access database to maintain accurate records.
- Led user testing sessions to ensure system accessibility and seamless user experience.
- Created a step-by-step process guide for new staff members, reducing onboarding time.
- Worked with the university's IT department to integrate new software solutions into existing systems while ensuring data security.

Key Projects
Personal Website
- Developed and organized a personal website using HTML, CSS, and JavaScript.

UVic Clubs Project
- Designed website in Figma, developed using React and Node.js, conducted user testing, applied UX design principles, and executed HCD.

Enhancement of Patient Care Process at SISOL Health Center
- Redesigned patient and staff interfaces with Java and NetBeans IDE, ensuring accessibility.
- Implemented SQL for centralized data management, focusing on security and scalability.

Volunteer Activities and Community Involvement
Captain, Intramural Volleyball Team   Victoria, BC, present
- Lead and organize team practices, competitions, and ensure team cohesion.

President, UVic Latin Club & UVic Hackhaton Club   Victoria, BC, present
- Organize cultural events and initiatives to support and engage Latino students on campus.
- Coordinate monthly tech events, foster creativity and teamwork among students.

Global Community Council Advisor, University of Victoria   Victoria, BC, Jul 2024 – present
- Develop and execute campus-wide initiatives that enhance student involvement.

Coordinator, UVic Women in Engineering, Science & Technology Club   Victoria, BC, present
- Support event execution, budgeting, and community-building efforts for women in STEM.

Co-op Students Council Advisor, BC Public Service   Victoria, BC, May 2024 – Dec 2024
- Led a team of students and assisted in organizing events and mentorship for co-op students.