

JESSICA GUTIERREZ

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EDUCATION:

Syracuse University, College of Engineering and Computer Science
Bachelor of Science, Computer Science

Expected Graduation: May 2026

SKILLS:

Programming: JAVA, Python, Haskell, DrRacket, C, C#, Unity, Visual Paradigm, Jira, Data structures, Algorithms, Computability and Automata, Operating systems, Software Specification and Design, Virtual Reality
Languages: English (Bilingual), Spanish (Bilingual)

RELEVANT PROJECTS

Church encoder Compiler, Programming Language: Theory & Practice

2nd year, 2nd semester

- Wrote a function which accepts and converts a Scheme expression and generates an output in lambda calculus terms, and then converts the output of the function to Racket using 'eval'
- Implemented a function which translates an expression from the input language to lambda calculus using big match
- Implemented each required expression one at a time, running a test for each expression after completion to check accuracy

Data Structures

2nd year, 1st semester

- Completed weekly programming tasks related to the topic of the week such as LinkedLists, nodes, recursion, and ArrayLists
- Used recursion to count the number of ears assigned to "bunnies", count how many of a certain letter is in each word, and return the Fibonacci number at a certain n^{th} position
- Implemented in Java a function to create an empty LinkedList, remove all elements, insert at the current position, append to the list, remove and return the current element, set the current element pointer to list start and end, move the current element pointer to the left and right, return the current element position, move to a certain position, and return true if at the end of list

WORK EXPERIENCE:

Student Consultant, Syracuse University ITS Service Center, Syracuse, New York

January 2025 - Present

- Provided technical support by troubleshooting IT issues over the phone and in person, effectively diagnosing problems and delivering clear, step-by-step solutions to clients
- Managed service requests using Jira to create and track tickets, ensuring efficient resolution of client concerns while maintaining detailed documentation of issues.
- Enhanced client experience through strong communication skills, translating complex technical problems into user-friendly explanations and assisting clients with technical challenges.

Student Representative, University 100 Syracuse University, Syracuse, New York

December 2023 - Present

- Chosen as one of the top 100 students to represent and promote the university to families by utilizing public speaking and communication skills in leading tours of up to 50 prospective and admitted students and parents
- Acted as a campus liaison by addressing student questions and providing internal referrals to campus stakeholders as needed
- Collaborated with Student Experience to facilitate campus-wide "Admitted Student Days" to aid the transition for both students and families

EXTRA CURRICULAR ACTIVITIES:

Captain, SU Western Equestrian Team, Syracuse, New York

September 2022 - Present

- Increased the current team from 4 members to 13 members within one semester through personal outreach
- Participated in weekly lessons to improve horseback riding skills resulting in qualifying and competing in regionals
- Maintained logistics of the club including scheduling, finance, travel, and meals

Vice President, Syracuse University Catholic Center, Syracuse, New York

August 2022 – Present

- Traveled to Camden, New Jersey to support low-income schools and community centers.
- Led over 5 retreats where I planned enrichment activities and created meaningful and inspiring talks to share with retreatants
- Assisted weekly as Eucharistic minister, lector, and greeter in services

Volunteer, Children's Hunger Fund, Los Angeles, California

February 2021 - Present

- Organized, prepared, and packaged boxes with food and essentials to be shipped to families in underserved communities around the world

Crew Adult Leader, Vacation Bible School Saint John Eudes, Los Angeles, California

July 2024

- Oversaw 20 high school volunteers and up to 50 retreatants in faith-centered lessons and activities

Co-President, Girls Who Code, Los Angeles, California

August 2021 - May 2022

- Created a local "Girls Who Code" chapter to encourage girls to explore professional development and potential careers in programming and coding
- Educated the team through various coding projects and executed activities at weekly meetings