



Renee Catanach

Personal
Projects

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EDUCATION

New Mexico State University

Master of Science, Computer Science

January 2024 - Expected (December 2025)

New Mexico State University

Bachelor of Science, Computer Science, Minor in Spanish, Minor in Software-Development, Las Cruces, NM – **3.70 GPA**

August 2019 - December 2023

Sogang University

Bachelor of Science, Computer Science, Seoul, South Korea

August 2022 – December 2022

- Participated in study abroad program.
- Completed coursework in computer science, and animation.

Google Tech Exchange Program

Intensive Studies in Computer Science, taught by Google engineers and researchers.

January 2022 – May 2022

- Coursework: Applied Data Structures, Software Studio, Careers in Technology
- **4.0 GPA** throughout all courses

WORK EXPERIENCE

OTT Technology Commercialization Intern

May 2023-August 2023 (Remote)

- Established a strategic alliance with the Department of Energy and Sandia National Laboratory, focusing on the commercialization of advanced research and technology.
- Led a pioneering project with Sandia National Laboratory, exploring entrepreneurship and technology market dynamics.
- Successfully bridged research findings to real-world applications, resulting in the future commercialization of a lab technology.
- Product Manager work

Edlyft Mentor.

January 2023-May 2023 (Remote)

- Tutored 15 students in Applied Data Structures for Google's Tech Exchange Program.
- Developed curriculum and conducted sessions in Algorithms Data Structures and related Computer Science courses (PM work).
- All students passed their courses, and some received internship offers from Google.

GIRLS MAKE GAMES Camp Counselor

July 2022 (Remote)

- Mentored female students in game development, design, and programming.
- Guided and motivated a team of young girls in project milestones.
- Girls made games in Construct3 game engine. Block and Visual coding.

YWIC (Young Women in Computing)

December 2021 – present (New Mexico State University)

- Created custom CS curriculum for elementary to high school females.
- Provided tutoring in Algorithms and hosted outreach programs for increased diversity in Computing (women and Hispanic women).

Oakridge National Laboratory Intern

July 2021 – August 2021 (Remote)

- Assisted in Image Captioning, Visual QA, and eXplainable AI for geospatial data analysis.

ORGANIZATIONS

- New Mexico State University Study Ambassadors (January 2020 – present)
- CAHSI- The Computing Alliance for Hispanic-Serving Institutions (January 2020 – present)
- Attended GMIS conference – 2020, 2021, 2022.
- Apart of the S-STEM Scholarship program where we focus on diversifying the computer science community.

SKILLS

- English: native language. Spanish: fluent (speaking, reading, writing)
- Coding languages: Python (Advanced: 2 years), C/C++ (Advanced: 3 years), HTML/CSS (Advanced:2 years), Java (Intermediate: 3 years), JavaScript (Intermediate:1 year)

AWARDS/ACHIEVEMENTS

- **CAHSI SCHOLAR** 2022-2023
 - Representing the Computing Alliance of Hispanic Serving Institution. Chosen for outreach, leadership skills.
- **Participated in AI4ALL- received certificate of completion** Fall 2021
 - Received certificate in Artificial Intelligence studies, learning about BIAS and use applications of AI.
- **Mayfield High School’s Class of 2019 Valedictorian** May 2019
- **AIALA SCHOLAR** January 2024- Present
 - Complete research in Artificial Intelligent methods that can be used in agriculture techniques.