Sarah Ruana

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EDUCATION

Northeastern University   **Boston, Massachusetts**
Candidate for a B.S Computer Science & Minor in Cell and Molecular Biology   *Apr 2028*
- 3.752 GPA - Dean's List Spring 2025
- Dean's List Scholarship and Dean's List for
- Relevant Coursework includes: Discrete Structures, Fundamentals of Computer Science 1 & 2, Program Design and Implementation, Foundations of Data Science, General Chemistry 1, Intro to Math Reasoning SEC

TECHNICAL SKILLS

Languages: Java, SQL, Javascript, CSS, HTML, Dr. Racket, Python(Numpy, Pandas, Matplotlib)
Applications: Eclipse, Visual Studio Code, SpringBoot, Jupyter Notebook, Oracle, MySQL, Git, Microsoft 365, Debugger, GitHub

PROJECTS

Independent Games   **Boston, Massachusetts**
                                                                                                                    Jan 2025 - Jun 2025
- Programmed multiple games in Java, using object-oriented design and various Java libraries.
- Built interactive systems that included collision detection, random generation, and basic graphical rendering.
- Selected Projects (Private repositories available upon request):
    - Minesweeper: A grid-based puzzle where mines are revealed using recursive methods and user input. The design includes random placement of a given number of mines and a flagging system operated by the user.
    - Feeding Frenzy: An ocean themed game where the user attempts to be the biggest fish. Implements fish growth using eating mechanics with collision detection to flag the end of the game.

Family Artifact Database   **Seattle, Washington**
                                                                                                                    Jan 2024 - Jun 2024
- Designed and built a digital archive system that uses user input to retrieve and populate the website with the certain type of archival pieces that fit the given requirements.
- Connected a website to a series of SQL databases that stored the archived pieces under their classification and associated name. The website linked multiple different pages that explained the purpose, the data, and the creator.
- Generated specific pieces that displayed photos, names, and descriptions based on the users designated classification and person associated. Also resolved common errors such as missing pieces.

LEADERSHIP/ EXTRACURRICULARS

Northeastern Climbing Team   **Boston, Massachusetts**
Team Member, JAA Social Media Manager   *Jan 2025 - Apr 2025 - Present*
- Nationally ranked competitive collegiate climber in both bouldering and sport climbing as part of the Northeastern Climbing Team.
- Responsible for various social media pages including instagram and facebook
- Modified a custom website using Github repositories for the Northeastern Climbing Team.

Woodinville Gymnastics   **Seattle, Washington**
Team Member, Captain   *Nov 2020 - Nov 2023 - Feb 2024*
- Competed four years varsity high school gymnastics and was elected team captain as a Senior.
- Fostered and built team unity while guiding the team to consecutive wins at the district, KingCo, and Washington State level.

Celiac Youth Leadership Council   **Seattle, Washington**
Lead Spokesperson   *Sept 2019 - Jun 2024*
- Provided assistance, guidance, and support to families whose child recently received a Celiac diagnosis.
- Planned quarterly support groups for hundreds of people and led the student panel.
- Hosted biannual events for the greater Seattle Celiac community.
- Managed the instagram page to connect and publicize the support groups and events.

Woodinville High School Tutoring   **Seattle, Washington**
Member   *Sept 2022 - Jun 2024*
- Spent mornings before school providing one-on-one math tutoring to fellow students.
- Taught Pre-Calculus, and Calculus 1 to multiple students
- Consistently mentored people in math throughout the school year.

STRENGTHS / INTERESTS

Public Speaking, Skiing, Rock Climbing (bouldering & sport), Woodworking, Sewing, Reading, Hiking, Photography, Whittling