

# ARIANNY ABREU-GONZALEZ

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## SUMMARY

Aspiring software engineer with a strong foundation in data structures, algorithms, and object-oriented programming. Passionate about solving real-world problems through code and simplifying complex concepts, with proven experience in teaching and mentoring others. Fluent in English and Spanish, I bring strong communication skills and a collaborative mindset to diverse teams. Committed to continuous learning, innovation, and delivering high-quality results.

## EDUCATION

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### Associate of Science in Computer Science

Northern Essex Community College | *Magna Cum Laude* | Graduated: 2024

### Bachelor of Science in Computer Science (In Progress)

Western Governors University | Expected Graduation: 2026

## PROFESSIONAL AND TECHNICAL SKILLS

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- Programming Languages: Java, Python, C, C++, JavaScript.
- Tools: Git, GitHub, IntelliJ IDEA, CLion, PyCharm, Jupyter Notebook, Visual Studio, MS Office, Jira.
- Operating Systems: Linux, Windows, macOS.
- Communication: Bilingual (English & Spanish), medical interpretation, technical writing.

## RELATED EXPERIENCE

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### Coding Instructor | Zero Robotics MIT Program at C0deEx | Lexington, MA

#### Summer 2024

- Faced with a class of 20+ students with varying coding experience, tasked with ensuring all students grasped core programming concepts within a 10-week program.
- Developed and delivered engaging lesson plans on programming, mathematics, and robotics, incorporating hands-on coding exercises and debugging sessions.
- Achieved a 30% improvement in coding proficiency across the class and led a team to 8th place nationally (out of 60 teams) in a coding competition where the winning code was deployed and run on the International Space Station (ISS) in collaboration with NASA.

## WORK EXPERIENCE

### Spanish – English Medical Interpreter | Vixicom LLC | Remote | 2021 – 2024

- Provided real-time translations in diverse professional settings to bridge language barriers and ensure effective communication.
- Delivered accurate translations using fluency in multiple languages, active listening, and problem-solving skills while managing multiple tasks under pressure.
- Strengthened client collaboration, received positive feedback, and ensured seamless project execution, leading to repeat engagements and 90% client satisfaction.

## PROJECTS

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### 20 Questions Game | Java, Serialization, Data Structures

- Engineered a binary decision tree game that dynamically expands its knowledge base through user interaction.
- Integrated file serialization to persist game data across sessions, ensuring long-term knowledge retention.
- Designed custom data structures, including a stack for backtracking and a map for categorized questions.