

# SORAYA REMAILI

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## EDUCATION

***B.S. in Computer Science and B.S. in Statistics with Honors - Academic Excellence Scholar***

University of South Carolina, Columbia, SC, Exp. May 2026

### ***Summer Certification***

The Paris Institute for Political Science, Paris, France, July 2022

Final Grade: A (17.75/20 on a European scale) | Focus on International Negotiation and Affairs

***Relevant Coursework:*** Refugees & Migrant Issues, Populism and Democracy, Human Security

## RELATED EXPERIENCE

***Service Chair/DEI Chair, Theta Tau Professional Engineering Fraternity, Spring 2024/Fall 2024***

- Co-led Theta Tau's service and DEI committees, aligning projects with organizational goals
- Utilized data-driven approaches to analyze project outcomes, ensuring continuous improvement
- Managed budgets and resources for service projects, securing additional funding when needed

## PROJECTS

### ***DegreeBetter Academic Management System***

- Full, back-to-frontend development of a degree planning system using Java, FXML, and Git
- Developed the backend system using Java to handle user data, course requirements, and degree tracking
- Utilized Git for version control, ensuring collaborative development and efficient codebase management
- Integrated dynamic data validation and error-handling features to improve system stability

### ***Personal Website and Portfolio***

- Developed a responsive portfolio website using HTML and CSS for the CSCE 190 final project
- Designed custom layouts and interfaces in Figma for a clean, user-friendly experience
- Used Git for version control to manage project updates and push changes to GitHub

## RESEARCH

### ***Bioacoustics, USC School of the Earth, Ocean, and Environment, 2024-Present***

- Analyzes data to identify baleen whale presence, using Python, Raven, R, and the LFDSCS
- Compares detection methods based on accuracy rates to guide whale conservation efforts

***Research Director:*** Dr. Erin Meyer-Gutbrod

### ***Oceanography, Thomas Jefferson High School for Science and Technology, 2021 - 2023***

Jellyfish as Ecosystem Bioremediators and their Effect on Water Contamination Levels

***Research Director:*** Dr. Shawn Stickler | Presented at the tjStar Research Symposium

### ***Human Development, Thomas Jefferson High School for Science and Technology, 2020 - 2021***

Letters to Lindani: The Concept of Teen Pregnancy Preceding Child Marriage

***Research Director:*** Mr. Michael Miller | Written with the guidance of Dr. Maryse Kok

## SKILLS

***French*** - Moderate working proficiency | Virginia State Seal of Biliteracy Recipient

***Algerian Darija*** - Limited working proficiency | Completed literacy courses at Johns Hopkins CTY

***Technical*** - Java/JavaFX | Python | Raven | Git & GitHub | HTML | FXML | CSS | R | LFDSCS