

SORAYA REMAILI

sremaili@email.sc.edu | (703) 403-9310 | www.linkedin.com/in/soraya-remaili

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

Relevant Coursework: Software Engineering, Human-Computer Interaction, UNIX/LINUX

High School Diploma

Thomas Jefferson High School for Science and Technology, Alexandria, VA, June 2023

GPA: 4.45 (weighted scale) | AP Scholar with Honors | Oceanography Senior Research

Relevant Coursework: Advanced Marine Biology, DNA Science, Research Statistics

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

Data Structures & Algorithms in Java

- **AuthorsNovels** | Created a sorted, searchable directory of authors and their book titles
- **PigLatin** | Wrote code that can translate any string into Pig Latin
- **AdjList** | Explored the concepts of depth and breadth-first searches

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 LFDACS
- 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 | LFDACS