

SAMANTHA M. RIGOR

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EDUCATION

Boston University College of Arts and Sciences

B.A. Computer Science, B.A. Linguistics

GPA: 3.67/4.00

Boston, MA

August 2024

Selected Coursework: Natural Language Processing, Introduction to Database Systems, Second Language Acquisition

WORK EXPERIENCE

Phonetics, Acquisition & Multilingualism Lab, Boston University

Research Assistant

Boston, MA

May 2021 – February 2023

- Awarded Student Research Award by the BU Undergraduate Research Opportunities Program to research coda coronal stop deletion in Asian American speech with Professor Charles Chang.
- Analyzed an existing corpus of linguistic data for the “Asian Americans in Boston” project.
- Transcribed speech recordings using plain orthography and the International Phonetic Alphabet.
- Presented co-authored poster at the 98th Annual Meeting of the Linguistic Society of America.

Intergenerational Literacy Program

America Reads and Counts Tutor

Chelsea, MA

October 2020 – May 2021

- Aided teachers with ESL curriculum for 4 classes of 15-20 learners served by the program.
- Initiated and led conversations to aid groups of 5-6 learners with English speaking and listening.
- Answered learners’ inquiries regarding grammar, lesson plans, and culture.
- Read articles and asked questions to boost reading comprehension and writing skills in learners.

SELECTED PROJECTS

Generative AI Policy and Advice Landscape

BU Spark! Machine Learning Practicum

Spring 2024

- Collaborated with two students to develop an automated data pipeline to extract keywords and summaries from documents regarding the use of generative AI in the public and private sectors.
- Edited in Google Colaboratory. Used NLTK, BERTopic, SpaCy, PyVis, and the OpenAI API.

English-Spanish Chatbot

Natural Language Processing

Fall 2023

- Built a simple chatbot in Python that aimed to teach English to L1 Spanish speakers and Spanish to L1 English speakers.
- Used option menus to switch between languages as well as dictionary, practice, and lesson modes.
- Edited using Google Colaboratory using Python versions 3.10 and 3.7. Worked with the NLTK platform (WordNet, Open Multilingual WordNet, Project Gutenberg) and the Chatterbot package.

Literary “Translator”

Computational Linguistics

Fall 2022

- Developed a Jupyter Notebook “translator” that takes user input and outputs a sentence with a similar meaning but in the literary style of Jane Austen.
- Edited in Google Colaboratory. Utilized the NLTK suite and texts from Project Gutenberg.

AWARDS AND LEADERSHIP

College Prize for Excellence, Boston University Department of Linguistics

Spring 2024

Dean’s List, Boston University

Spring 2023

Alice M. Brennan Humanities Award, Boston University Center for the Humanities

Spring 2022

Boston University Athletic Bands, Mellophone Section Leader

August 2022 – May 2024

Kappa Kappa Psi Theta Beta, Vice President of Service

April 2023 – April 2024

SKILLS AND INTERESTS

Languages: Spanish (Upper-intermediate), Mandarin Chinese (Novice-high)

Programming: Python, SQL, Go, Java, C, OCaml, XML

Tools: Git, VS Code, Jupyter Notebook, Google Colaboratory, CLion, Docker, BaseX, MongoDB