Kai A. Maffucci

Education

B.S.

- University of Rhode Island, Computer Science
  Graduated Summa Cum Laude (3.84 GPA)
- Minored in Mathematics, Creative Writing

Certificates

- Udemy: NLP - Natural Language Processing with Python by Jose Portilla, Pierian Training
- Udemy: Intro to Probability and Statistics by Dane McGuckian
- Udemy: Intro to Linguistics by Trevor Block

Language Experience

- Cherokee (Tsalagi) Language Courses (Online), Cherokee Nation of Oklahoma
  - Cherokee 4 (expected Summer 2027)
  - Cherokee 3 (expected Spring 2027)
  - Cherokee 2 (expected Fall 2026)
  - Cherokee 1
- Elementary Ukrainian
  - Intermediate, SpeakUA, 2025
  - Beginner, SpeakUA, 2025
- Novice Spanish

Research Experience

URI Internship, Spring 2025
Algorithms for Big Data Intern
Helped to design and implement the Hausdorff meta-distance function, generic over all data types, given an appropriate comparison function. Part of the ABD group's CLAM repository. Semester internship for CSC 499. Code can be found below.
https://github.com/URI-ABD/clam/blob/master/crates/distances/src/sets/mod.rs

URI Independent Study, Fall 2024 - Spring 2025
Rook in the Menagerie
Programmed a simulation of computer players with various simple strategies to play against each other in the Rook card game (Kentucky Discard). Collected data on the games' outcomes to

determine potential strategies. CSC 491 course taken for a cumulative 8 credits. Repository below.
https://github.com/KaiMaffucci/rooksim

Teaching Experience

URI
Teaching Assistant
CSC 411, Spring, Fall 2026
CSC/MTH 104, Fall 2025

Honors and Awards

URI President's List, Spring 2026
For maintaining a semester GPA of 3.8 or higher. First introduced in Spring 2026.

Nancy Potter Short Story Contest - 1st Place, Spring 2026
Part of a range of judged competitions by the English department each Spring semester.

URI Dean's List, Fall 2022 - Fall 2025
For maintaining a semester GPA of 3.3 or higher. Since Spring 2026, the range is 3.3-3.79, and 3.8 or higher makes the President's List.

Nancy Potter Short Story Contest - Tied for 1st Place, Spring 2025
Part of a range of judged competitions by the English department each Spring semester.