



HEART: Computers as Authors
EN.500.111
Fall 2022

Instructor

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Office hours: By appointment

Meetings

(02) Monday, 9:00–10:15 am, Krieger 304

(05) Monday, 4:00–5:15 pm, Gilman 75

Online Resources

Please log in to Canvas for all materials related to this course.

Course Information

Can you imagine a future where novels, news articles, and comedy were written by a program? This course will introduce students to text generation from the field of natural language processing in which we will discuss the methods, their applications and ethical implications. The class will include hands-on interaction with new technology to aid in the understanding of its capabilities and limitations.

Prerequisites

This class has no prerequisites.

Course Expectations & Grading

- Workload will include short readings and a final presentation.
- Grading is P/F based on attendance and participation.
- Attendance is mandatory for HEART classes. If you need to miss a class, please email me in advance (before class starts) to have it excused. You may have 2 excused absences.
- You may have 1 unexcused absence.

Schedule

This is a tentative schedule, subject to change.

Date	Topic
August 29th	Introduction / History of text generation
September 5th	No Class (Labor Day)
September 12th	Language modeling
September 19th	Data - sources and representation
September 26th	Methods - Embeddings, Seq2seq, models
October 3rd	Evaluation
October 10th	Ethics and Future Directions
October 17th	The application lifecycle
October 24th	Guest Lecture Huggingface Tutorial
October 31st	Pre-Presentation Office Hours
November 7th	Final Presentations