MIRANDA LI

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EDUCATION

Stanford University
B.S. candidate, Computer Science - Biocomputation (4.0 GPA)

Sep 2018 – Jun 2023
Stanford, CA

WORK EXPERIENCE

Stanford Computer Science
CS106A Section Lead

December 2019 – Present
Stanford, CA

- Collaborating with faculty to write assignments and starter code for students, including accessible alternatives for visually impaired students
- Teaching software engineering techniques in weekly discussion sections for Stanford's Programming Methodologies course

Knowhere News
Software Engineering Intern

June 2020 – August 2020
San Francisco, CA

- Built, trained, and tuned models to predict the intuitive newsworthiness of event clusters and tips, using non-text and text features extracted from event cluster / tip metadata; built web service to integrate newsworthiness models into pipeline and deployed both models into production to streamline content management system for more efficient, unbiased story selection
- Created responsible data visualizations for an editorial project on COVID-19 statistics; automatically generated and updated charts using Datawrapper's API

Stanford University Bio-X
Undergraduate Researcher

June 2019 – August 2019
Stanford, CA

- Manipulated and filtered genomic data; evaluated dimensionality reduction methods for visualization of clustered RNAseq and ATACseq data

The Stanford Daily
Graphics Managing Editor

November 2018 – June 2019
Stanford, CA

- Directed 10 graphic artists in producing three 36-page magazines for print publication
- Oversaw deadlines and printing process; coordinated communication between managing editors and staffers

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PROJECTS

Nonsense Newspapers
Present

Inspired by philosophical absurdism, the burgeoning field of generative AI art, and a personal love for typography and print design – training a GAN to generate realistic-looking but meaningless newspaper images as an artistic work intended to invoke a sense of simultaneous familiarity and foreignness.

Girl Talk
June 2020

NLP project inspired by the Bechdel Test for movies – modeled topics of female-to-female dialogue in a movie dialogue corpus. Conducted topic modeling using BERT embedding and subsequent clustering methods to determine what Hollywood thinks women talk to each other about.

Quantifying Political Bias
June 2019

Led interdisciplinary team of 5, supervised by Google News founder Dr. Krishna Bharat, in employing statistical methods to aggregate pairwise comparisons of sources into continuous scale of relative political leaning. Work was given a 'strong accept' and will be presented as a work-in-progress at HCOMP 2020, AAAI conference on human computation and crowdsourcing.

SKILLS

- Python, C/C++, Java, Javascript, R, shell scripting, Matlab, HTML/CSS