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EDUCATION	Yale University, New Haven, CT Ph.D. Student in Linguistics	Aug 2023 -	
	Wellesley College, Wellesley, MA Bachelor of Arts in Cognitive and Linguistic Sciences and Co Honors: Summa cum laude	Sep 2019 - May 2023 omputer Science	
	Thesis: Summa cam taute Thesis: The Modified Mother Tongue: Examining Chinese Vowel Quality Shift in Chinese-Dominant Chinese-English Code-Switching Environments		
PUBLICATIONS	Meng Hui Liu [*] , Xiaomeng Zhu [*] , and Carolyn Jane Anderson, XiaoshuoNLP: A Natural Language Processing Pipeline for Chinese Literary Texts (In Progress)		
RESEARCH EXPERIENCE	Science Center Summer Research Program Advisor: Carolyn Anderson Implement an NLP pipeline for processing Chinese literary racy of coreference resolution results by merging character embeddings, and evaluate existing Chinese NLP tools on an	clusters based on BERT	
	Cognitive and Linguistic Sciences Honors Thesis Advisor: Angela Carpenter Examine the shift in Chinese vowel quality in Chinese-English environments, design speech production tasks to elicit code-s jects, and run statistical models on collected vowel formants		
	Wellesley College Sociolinguistics LabFeb 2022 - Aug 2022Advisor: Sabriya FisherWellesley, MADesigned and implemented a Python script that extracts morphosyntactic featuresfrom texts, examined the frequency distribution of phonetically-similar auxiliaries, andcoded phonetic data from the CORAAL corpus		
	MIT Experimental Syntax and Semantics Lab Feb 2021 - May 2022 Faculty Advisor: Martin Hackl, Direct Advisor: Leo Rosenstein Cambridge, MA Investigated felicity differences between determiners using an experimental approach, implemented experimental interface on PCIbex, analyzed data in R Studio using a mixed-effect model, and assisted with data interpretation		
	MIT Department of Linguistics Advisor: Danfeng Wu Conducted in-person experiments with participants to exam in either/or constructions, monitored subjects' behavior and annotated recording files to facilitate prosody extraction		
	MIT Media Lab Faculty Advisor: Alex Pentland, Direct Advisor: Mohsen Bau Implemented an interactive dashboard that visualized mobility growth using react.js	S .	
PRESENTATION	The Modified Mother Tongue: Examining Chinese Vowel Quality Shift in Chinese-Dominant Chinese-English Code-Switching Environments Ruhlman Conference, Wellesley CollegeApril 2022		
	XiaoshuoNLP: A Natural Language Processing Pipe ary Texts	line for Chinese Liter-	

^{*}Equal contribution

	Ruhlman Conference Poster Session, Wellesley CollegeApril 2Tanner Conference, Wellesley CollegeNov 2Wellesley College Science Complex Opening Celebration Poster SessionOct 2Wellesley College Science Center Summer Research Program Poster FairAug 2	$2022 \\ 2022$	
TEACHING EXPERIENCE	CS 240: Foundations of Computer SystemsSpring 2022, Fall 2Teaching AssistantWellesley CollInstructor: Andrew Davis, Franklyn TurbakWellesley Coll		
	CS 204: Front-End Web DevelopmentTerm 2, Fall 2Teaching AssistantWellesley ColInstructor: Scott AndersonWellesley Col		
AWARDS & ACADEMIC HONORS	Sigma XiMay 2Phi Beta KappaMay 2Provost's Office Student Research Grant, Wellesley CollegeDec 2	2023	
CLASS PROJECTS	Whisper Fine-tuning EventFall 20CS 333: Natural Language ProcessingFine-tuned the pre-trained Automatic Speech Recognition model Whisper on the Common Voice dataset for Taiwanese Mandarin		
	Syntactic Tense in Mandarin ChineseFall 2021LING 244: Language: Form and MeaningForm and MeaningAnalyzed main issues of controversy regarding the existence of a syntactic T node in Mandarin Chinese and proposed a theory where tense is undefined in the deep structure		
	Phonetics and Phonology of KoreanSpring 2021LING 240: The Sounds of LanguageDesigned and held recording sessions with a native Korean speaker to examine Koreanphonetics and phonology, analyzed waveforms and spectrograms in Praat, and validatedresults against existing theories		
	Social Variation of Words and Sounds in American DialectFall 2LING 238: SociolinguisticsEvaluated social variation patterns of words and phonemes in North American Engidentified dialect regions using isoglosses, and verified results against William Labfirst principle on language change	jlish,	
INDUSTRY EXPERIENCE	Shanghai Baosight Software Co., Ltd.Jun 2021 - Aug 2Machine Learning InternShanghai, ClAnalyzed and predicted steel defects using machine learning algorithms such as decitree, clustering, and PCA	hina	
LANGUAGES AND TECHNICAL SKILLS	 Programming Languages: Python, R, C, Java, Racket, SML Web Development: HTML, CSS, JavaScript, React.js Machine Learning: TensorFlow, PyTorch Software: Praat, Audacity Languages: English and Mandarin Chinese (native proficiency), Spanish (work proficiency) 	king	