

Suhuai Chen

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EDUCATION

Northwestern University

Sep 2020 - Jun 2024

B.A. in Computer Science and Linguistics

Evanston, IL

- Cumulative GPA 3.88/4.00

RESEARCH INTERESTS

Bilingualism, second language acquisition, language co-activation, semantics, computational linguistics

RESEARCH EXPERIENCE

NU Bilingualism and Psycholinguistics Lab

Sep 2022 - Present

Research Assistant

- Reproduced computational models in linguistics paper and extended codebase to support multilingual data
- Prepared experiment stimuli that met orthographic and syntactic conditions
- Collected text-to-speech sound files with Google Cloud Text to Speech API

NU Delta Lab

Mar 2023 - Present

Research Assistant | Human-AI-Difference

- Invented a human-centered classifier for cross-setting differences
- Parsed Yelp open dataset and preprocessed 7 million reviews
- Designed experiments to iteratively refine the model

WORK EXPERIENCE

HRnetGroup

Jul 2023 - Sep 2023

DevOps Engineer Intern

Shanghai, China

- Established the whole pipeline for resume parsing, boosting consultant data entry efficiency by over 50%
- Built and maintained 5 GPT-based APIs hosted on Microsoft Web Server
- Fine-tuned RoBERTa for job category classification and achieved 60% accuracy
- Explored vectorizing resumes and storing them in high performance vector databases
- Cooperated with colleagues from Singapore to support internal system operations

Xiaomi Technology

May 2023 - Jul 2023

Product Operations Manager Intern at MIUI Global

Beijing, China

- Constructed 10+ visualization dashboards based on event tracking code
- Built a web scrawler to obtain population and language data over 100+ countries
- Examined AIGC risk management experiments and gave feedback to R&D
- Communicated with colleagues from India and supported daily global business operations

PROJECTS

Adobe ContractBot

Jan 2023 - Jun 2023

- Built a web app to facilitate legal contract reviewing process
- Used GPT3 API to extract key legal terms and summarize legal contracts
- Matched the Chatbot answers with contents from the original contracts and relevant codes of law
- Got positive feedback from 10+ law school students and collaborators from Adobe Document Intelligence Lab

Deep Learning for NLP

Jan 2023 - Jun 2023

- Built and trained Feedforward Neural Network and LSTM on 8000 biographies to detect fake human profile descriptions. Achieved 99% and 88% accuracy respectively
- Fine-tuned BERT (classification) and GPT-2 (generation) on OpenbookQA. Achieved 58% accuracy
- Examined ways to improve transfer learning instability and accuracy by applying layer normalization before the adapter layer

Pinna

Mar 2022

- Constructed an IOS app that visualized noise level and protected the user from hearing loss by automatically adjusting sound output and sending warnings when necessary
- Shortlisted in the final round of Hack The Globe 2022 among over 60 teams from around the world

TRAINING EXPERIENCE

The Institute on Collaborative Language Research, Missoula, MT

Jun 2022 - Jul 2022

Crete Summer School of Linguistics, Rethymno, Greece

Jul 2022

LEADERSHIP EXPERIENCE

Linguistics Student Representative, Weinberg Student Advisory Board

Sep 2023 - Present

**Commitee Chair, North American Computational Linguistics Open Competition
NU Branch**

Oct 2022 - Present

International Peer Advisor, NU OISS

Sep 2022

SKILLS

- **Data Processing:** Praat, ELAN, Python, Jupyter, Pandas, NLTK, SpaCy, PyTorch
- **Programming Languages and Framework:** Java, Kotlin, Swift, JavaScript, React, Node.js, Django
- **Languages:** Mandarin Chinese(Native), English(C1), Spanish(B2)
- **Other Tools:** Final Cut Pro X, Photoshop, Microsoft Office