

BINGYANG YE

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EDUCATION

Brandeis University
M.S. in Computational Linguistics
Michtom School of Computer Science

Waltham, MA
September 2017 - May 2019

Nanjing Normal University
B.A. in Bilingual In English and French
Department of Foreign Languages

Nanjing, China
September 2012 - June 2017

TECHNICAL STRENGTHS

Programming Languages	Python, Java, SQL, Spark, HTML
Tools & Frameworks	Tensorflow, MXNet, NLTK, Scikit-Learn, BRAT, Pyspark, AWS EMR

PUBLICATIONS

Kim, Youngwoo, Cheng Li, **Bingyang Ye**, Amir M. Tahmasebi and Javed A. Aslam. “Supervised Learning in the Presence of Noise: Application in ICD-10 Code Classification.” *ArXiv abs/2103.07808 (2021): n. pag.*

Sen, Cansu, **Bingyang Ye**, Javed A. Aslam and Amir M. Tahmasebi. “From Extreme Multi-label to Multi-class: A Hierarchical Approach for Automated ICD-10 Coding Using Phrase-level Attention.” *ArXiv abs/2102.09136 (2021): n. pag.*

Shahri, Morteza Pourreza, Amir M. Tahmasebi, **Bingyang Ye**, Henghui Zhu, Javed A. Aslam and Timothy G. Ferris. “An Ensemble Approach to Automatic Structuring of Radiology Reports.” *CLINICALNLP (2020).*

RESEARCH EXPERIENCE

Automatic CPT Coding of Radiology Notes using Convolutional Recurrent Neural Network
Codamatrix July 2020
CMIMI2020

- Proposed a domain-specifically tuned multi-label classification framed as a multi-class classification for CPT code labeling of radiology notes
- Achieved SOTA performance in CPT coding on a large-scale multi-site clinical data

WORK EXPERIENCE

CodaMetrix Boston, MA
NLP Scientist October 2019 - Present

- Developed a Spark pipeline to do preprocessing and data normalization on large scale dataset
- Conducted research on clinical concept extraction tasks to help medical billing automation
- Designed and built a large corpus with evidence annotation for ICD10 code prediction

Seagull Cognition, Inc. Concord, MA
Intern, NLP Engineer May 2018 - May 2019

- Worked on building an intelligent contract analyzer for homeowner insurance that can provide a simplified contract management