

EDUCATION

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<b>School of Informatics, The University of Edinburgh</b> PhD of NLP, supervisors: Prof. Ivan Titov and Dr. Edoardo Maria Ponti	Edinburgh, UK June 2027 expected
<b>Ecole Centrale Pékin (ECPK), Beihang University</b> Master of Electronic Information; GPA: 3.9/4.0; Ranking: 2/86	Beijing, China June 2023
<b>Ecole Centrale Pékin (ECPK), Beihang University</b> Bachelor of Information and Computing Science; GPA: 3.7/4.0; Ranking: 6/87	Beijing, China June 2020

PUBLICATIONS<sup>1</sup>

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- Yijun Yang\*, **Zeyu Huang\***, Wenhao Zhu, Zihan Qiu, Fei Yuan, Jeff Z Pan, Ivan Titov. A Controllable Examination for Long-Context Language Models - **NeurIPS 2025 Spotlight**
- Zihan Qiu\*, Zekun Wang\*, Bo Zheng\*, **Zeyu Huang\***, Kaiyue Wen, Songlin Yang, ... & Junyang Lin. Gated Attention for Large Language Models: Non-linearity, Sparsity, and Attention-Sink-Free. **NeurIPS 2025 Oral**
- Zihan Qiu\*, **Zeyu Huang\***, Bo Zheng, Kaiyue Wen, Zekun Wang, ... & Junyang Lin. Demons in the Detail: On Implementing Load Balancing Loss for Training Specialized Mixture-of-Expert Model - **ACL 2025**
- Zeyu Huang**, Zihan Qiu, Zili Wang, Edoardo M Ponti, Ivan Titov. Post-hoc Reward Calibration: A Case Study on Length Bias - **ICLR 2025**
- Zihan Qiu\*, **Zeyu Huang\***, Shuang Cheng, Yizhi Zhou, Zili Wang, Ivan Titov, Jie Fu. Layerwise Recurrent Router for Mixture-of-Experts - **ICLR 2025**
- Ka Man Lo\*, **Zeyu Huang\***, Zihan Qiu\*, Zili Wang, Jie Fu. A Closer Look into Mixture-of-Experts in Large Language Models. **NAACL 2025 Findings**
- Wenyu Du, Tongxu Luo, Zihan Qiu, **Zeyu Huang**, Yikang Shen, Reynold Cheng, Yike Guo, Jie Fu. Stacking Your Transformers: A Closer Look at Model Growth for Efficient LLM Pre-Training - **NeurIPS 2024 Spotlight**.
- Wenyu Du, Shuang Cheng, Tongxu Luo, Zihan Qiu, **Zeyu Huang**, Ka Chun Cheung, Reynold Cheng, Jie Fu. Unlocking Continual Learning Abilities in Language Models - **EMNLP 2024 Findings**
- Zihan Qiu\*, **Zeyu Huang\***, Jie Fu. Unlocking Emergent Modularity in Large Language Models. **NAACL 2024. Outstanding Paper Award**
- Zihan Qiu\*, **Zeyu Huang\***, Youcheng Huang\*, Jie Fu. Empirical Study on Updating Key-Value Memories in Transformer Feed-forward Layers. Tiny Papers @ **ICLR 2024**
- Zeyu Huang**, Yikang Shen, Xiaofeng Zhang, Jie Zhou, Wenge Rong, Zhang Xiong. Transformer-Patcher: One Mistake Worth One Neuron. **ICLR 2023**.
- Zeyu Huang**, Wenge Rong, Xiaofeng Zhang, Yuanxin Ouyang, Chenghua Lin, Zhang Xiong. Token Relation Aware Chinese Named Entity Recognition. **ACM TALLIP**
- Zeyu Huang**, Xiaofeng Zhang, Jun Bai, Wenge Rong, Yuanxin Ouyang, Zhang Xiong. Solving Math Word Problems Following Logically Consistent Template. **IJCNN 2023**
- Xiaofeng Zhang\*, Yikang Shen\*, **Zeyu Huang**, Jie Zhou, Wenge Rong, Zhang Xiong. Mixture of Attention Heads: Selecting Attention Heads Per Token. **EMNLP 2022**

PRE-PRINTS

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- Zeyu Huang**, Tianhao Cheng, Zihan Qiu, Zili Wang, Yinghui Xu, Edoardo M Ponti, Ivan Titov. Blending Supervised and Reinforcement Fine-Tuning with Prefix Sampling - arXiv:2507.01679
- Kunquan Deng, **Zeyu Huang**, Chen Li, Chenghua Lin, Min Gao, Wenge Rong. PFME: A Modular Approach for Fine-grained Hallucination Detection and Editing of Large Language Models - arXiv:2407.00488

EXPERIENCE

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<b>Student Researcher at Google Deepmind</b> Advisor: Dr. Marc'Aurelio Ranzato	Aug. 2025 - Dec. 2025 London
<b>Research intern at INF Technology</b> Advisor: Zili Wang	Mar. 2024 - Aug. 2024 Remote
<b>Research Intern at BAAI</b> Advisor: Dr. Jie Fu	Sep. 2022 - Jun. 2023 Beijing, China

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<sup>1</sup>\* denotes equal contribution

## HONORS AND AWARDS

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- NAACL 2024 Outstanding Paper Award (6/2604 submissions)
- ESRC DTA Scholarship (international flexibility) - 2024-2027
- National Scholarship for Graduate Students Award - 2021-2022 - (3/291)
- Outstanding Graduate Student of Beihang University - 2020-2021
- Excellent Student Cadre of Beihang University, 2020-2021
- Academic Scholarship of Beihang University, Top 10% on GPA, 2016-2019, 2020-2022
- Merit Student of Beihang University, 2017-2018, 2020-2021
- First Prize in National Olympiad in Informatics in Provinces (**NOIP**) - 2014, 2015

## EXTRA-CURRICULAR ACTIVITIES

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**International Exchange** Casablanca, Morocco  
Ecole Centrale Casablanca Nov 2019, 15 days

**International Exchange** Paris, France  
CentraleSupélec, Saclay Feb 2018, 8 days

**Student works** Beijing, China  
President of the Graduate Student Union of ECPK Dec. 2020 - Dec. 2021

**Orange Lab & Ecole Centrale de Pekin** Beijing, China  
Oct 2020 - May 2021 Group Leader of the Project

- **Federated Recommendation** - A recommendation system trained in Federated Learning manner.
- This project is co-supervised by Orange Lab of Beijing and Ecole Centrale de Pekin.
- The product of this project includes a survey report and deployment of a Federated news recommender

## SKILLS SUMMARY

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- **Programming:** Python, C, Shell, JAVA, Latex, MATLAB
- **Languages:** Chinese(Native), English (IELTS 7.5), French (B2)
- **ML/AI Frameworks:** PyTorch, JAX, Tensorflow, PyTorchLightning, Fairseq, Huggingface, Flax

## RELEVANT COURSES

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- **Computer Science:** Programming(96), Deep Learning(1st in the school), Fundamentals of Computer Science(93)
- **Math:** Analysis(100), Probability and Statistics(99), Differential(96), Algebra(96), Mathematical Statistics(98)
- **Physics:** Structural Mechanics(100), Optics(96), Wave Physics(95), Electronics(94), Electromagnetic Radiation(95)