

# HYUNGJOO CHAE

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## EDUCATION

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**Yonsei University** Seoul, South Korea  
M.S. in Computer Science 2023-Present

- Advisor: Prof. Jinyoung Yeo
- Research Areas: Commonsense, Dialogue Agents, Reasoning, Large Language Models

**Yonsei University** Seoul, South Korea  
B.S. in Computer Science 2019-2022

- Graduation Project: Commonsense-augmented Dialogue Summarization
- Advisor: Prof. Jinyoung Yeo

## PUBLICATIONS

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(\* Equal contribution)

### Coffee: Boost Your Code LLMs by Fixing Bugs with Feedback

Seungjun Moon\*, Yongho Song\*, **Hyungjoo Chae\***, Dongjin Kang, Taeyoon Kwon, Kai Tzu-iunn Ong, Seung-won Hwang, Jinyoung Yeo

*Arxiv preprint (Under preparation for a submission to NAACL 2024).*

[Paper] [Code]

### Dialogue Chain-of-Thought Distillation for Commonsense-aware Conversational Agents

**Hyungjoo Chae\***, Yongho Song\*, Kai Tzu-iunn Ong, Taeyoon Kwon, Minjin Kim, Youngjae Yu, Dongha Lee, Dongyeop Kang, Jinyoung Yeo

*In Proceedings of EMNLP 2023.*

[Paper] [Code] [Demo]

### CoTEVer: Chain of Thought Prompting Annotation Toolkit for Explanation Verification

Seungone Kim, SeJune Joo, Yul Jang, **Hyungjoo Chae**, Jinyoung Yeo

*In Proceedings of EACL 2023: System Demonstrations.*

[Paper] [Code]

### TUTORING: Instruction-grounded Conversational Agent for Language Learners

**Hyungjoo Chae**, Minjin Kim, Chaehyeong Kim, Won Seok Jeong, Hye Soong Kim, June Myung Lee, Jinyoung Yeo

*In Proceedings of AAAI 2023: System Demonstrations.*

[Paper] [Demo]

### Mind the Gap! Injecting Commonsense Knowledge for Abstractive Dialogue Summarization

Seungone Kim\*, Se June Joo\*, **Hyungjoo Chae\***, Chaehyeong Kim\*, Seung-won Hwang, Jinyoung Yeo

*In Proceedings of COLING 2022.*

[Paper] [Code]

## INDUSTRIAL EXPERIENCE

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Jul. 2022 – Present      • **Tutoring, Market Designers Inc.** (Advisor: Prof. Jinyoung Yeo) Built an AI tutor for English learners.

Jul. 2020 – Aug. 2020      • **Dino Plus Inc.** Constructed an Alzheimer dataset for AI diagnosis.

Feb. 2021 – Sep. 2021      • **Dr.Choi's Clinic** Developed the company's homepage using React.js and Firebase.

## TEACHING

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<b>Natural Language Processing and ChatGPT</b> , Yonsei University <i>Teaching Assistant</i>	Sep. 2023 - Dec. 2023
<b>Introduction to Natural Language Processing</b> , SKT Academy <i>Teaching Assistant</i>	Aug. 2023
<b>Big Data</b> , Yonsei University <i>Teaching Assistant</i>	Mar. 2023 - Jul. 2023
<b>Software Capstone Design</b> , Yonsei University <i>Teaching Assistant</i>	Mar. 2023 - Jul. 2023

## METORING

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Seungjun Moon, M.S. Student, Yonsei University	Mar. 2023 - Present
Taeyoon Kwon, M.S. Student, Yonsei University	Mar. 2023 - Present
Dongjin Kang, B.S. Student, Yonsei University	Jun. 2023 - Present

## SKILLS

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Programming Languages	• Python, Java, C/C++, JavaScript.
Deep Learning Frameworks and Tools	• PyTorch, Tensorflow, vLLM, TGI, OpenLLM, Langchain, DeepSpeed, BitsAndBytes.
Web Dev	• React.js, Firebase, Node.js, Django, HTML, CSS.
Natural Languages	• English (professional working proficiency), Korean (native)

## REFERENCES

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### Jinyoung Yeo

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Department of Artificial Intelligence  
College of Computing  
Yonsei University

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