

Dongchan Shin

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EDUCATION

University of Waterloo

Ph.D. Student in Computer Science, Advisor: Prof. Victor Zhong

Waterloo, Ontario

Sep 2026 -

The University of Hong Kong

Bachelor of Science (Major in Chemistry, minor in Computer Science)

Pok Fu Lam, Hong Kong

Sep 2018 - Dec 2024

PUBLICATION

AdaptArena: Evaluating Test-Time Personalization of Web Agents

NeurIPS 2026 E&D Under Review

Dongchan Shin, Xing Han Lù, Jiaqi Deng, Jay Gala, Tomás Vergara Browne, Jaewon Moon, Fengyuan Liu, Alexandre Drouin, Siva Reddy*, Alexandre Lacoste*

Spider2.0: Evaluating Language Models on Real-World Enterprise Text-to-SQL Workflows

ICLR 2025, Oral

Fangyu Lei*, Jixuan Chen*, Yuxiao Ye, Ruisheng Cao, **Dongchan Shin**, Hongjin Su, Zhaoqing Suo, Hongcheng Gao, Wenjing Hu, Pengcheng Yin, Victor Zhong, Caiming Xiong, Ruoxi Sun, Qian Liu, Sida I. Wang, Tao Yu

OSWorld: Benchmarking Multimodal Agents for Open-Ended Tasks in Real Computer Environments

NeurIPS 2024 Dataset & Benchmark Track

Tianbao Xie, Danyang Zhang, Jixuan Chen, Xiaochuan Li, Siheng Zhao, Ruisheng Cao, Toh Jing Hua, Zhoujun Cheng, **Dongchan Shin**, Fangyu Lei, Yitao Liu, Yiheng Xu, Shuyan Zhou, Silvio Savarese, Caiming Xiong, Victor Zhong, Tao Yu

EXPERIENCE

Vector Institute

Research Intern, Advisor: Prof. Victor Zhong

Topic: Automatic Structure Induction for Hybrid Knowledge Search

Toronto, Ontario (Remote)

Nov 2025 - Feb 2026

- Leading a project on building novel framework that accurately and efficiently answer natural language questions over a large collection of unstructured documents

Mila – Quebec AI Institute

Research Intern, Advisor: Prof. Siva Reddy

Topic: Test-Time Adaptability of Web Agents

Montreal, Quebec

Mar 2025 – Oct 2025

- Led a project on benchmarking web agents' ability to infer and adapt to implicit user preferences at test time

XLING Lab, HKU

Research Assistant, Advisor: Prof. Tao Yu

Topic: Benchmarking Language Agents

Pok Fu Lam, Hong Kong

May 2023 – Dec 2024

- Worked on benchmarking LLM Agents on Computer-Use and text-to-SQL code generations

TECHNICAL SKILLS

Languages: Python, SQL, L^AT_EX

Frameworks: PyTorch, OpenAI APIs, Transformers, Langchain, vLLM

Tool: Git, Docker

SERVICES

Reviewer: ACL Demo (2025, 2026), EMNLP Demo (2026)

Others: Co-Founder of HKU Korean Coding Society