

# JUNYOU LI

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## EDUCATION

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- University of Waterloo**, Waterloo, Ontario, Canada Sep 2021 - Present  
Bachelor of Computer Science, Computer Science
- École Polytechnique Fédérale de Lausanne**, Lausanne, Vaud, Switzerland Sep 2023 - Jan 2024  
Bachelor Erasmus Student, Computer Science

## RESEARCH EXPERIENCE

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- University of Waterloo** May 2024 - Present  
Multi-agent system; With Prof. Pascal Poupart  
Waterloo, Canada
- Cohere for AI** May 2024 - Present  
LLM Correctness Verification & Benchmark Creation  
Toronto, Canada
- Artificial Intelligence Laboratory, EPFL** Mar 2024 - Present  
LLM Fine-Grained Defeasible Reasoning; With Prof. Boi Faltings  
Lausanne, Switzerland
- University of Waterloo & National Research Council Canada** Apr 2023 - May 2024  
Acoustic Classification Models & Cross-Modal Generation; With Dr. Pengcheng Xi  
Waterloo, Canada

## PUBLICATIONS

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- A Data-Driven Environmental Sound Classification System with Acoustic Triboelectric Nanogenerators**  
Majid Haji Bagheri, **Junyou Li**, Emma Gu, Karim Habashy, Md Masud Rana, Yanguang Zhang, Gaozhi Xiao, Pengcheng Xi, Dayan Ban  
IEEE Canadian Conference On Electrical and Computer Engineering, 2024.
- Self-Powered Triboelectric Nanogenerator for Environmental Sound Monitoring**  
Majid Haji Bagheri, **Junyou Li**, Emma Gu, Karim Habashy  
**Best Poster Award**, Waterloo Nanotechnology Conference, 2024.
- Vision Transformers for Age Prediction from Gait Energy Image Data**  
Chengzong Zhao, Jack Wang, Zara Cook, Grant Sinha, **Junyou Li**, Chang Shu, Pengcheng Xi  
9th Annual Conference on Vision and Intelligent Systems, 2023.

## SUBMITTED WORKS

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- Triboelectric Nanogenerator Empowered Live-streaming Audio Sensing for Continuous Sound Monitoring and Captioning**  
Majid Haji Bagheri, **Junyou Li**, Emma Gu, Yanguang Zhang, Gaozhi Xiao, Pengcheng Xi, Dayan Ban  
IEEE Sensors Letters, 2024.

## INDUSTRY EXPERIENCE

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- Eon Media** Sep 2022 - Dec 2022  
*Machine Learning Intern*  
Toronto, Canada  
Worked on an End-to-End AWS docker deployment pipeline to extract metadata from video archives; Designed a face recognition pipeline and an automated annotation pipeline with Community Detection and Active Learning.

## AWARDS & SCHOLARSHIPS

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NSERC Undergraduate Student Research Award (6,000 CAD)	2024
President's Research Award (1,500 CAD)	2024
University of Waterloo President's Scholarship of Distinction (2,000 CAD)	2022
Gold Medal at Men's Team Sabre, Ontario University Athletic Championships	2024
Bronze Medal at Men's Junior Sabre, Ontario Provincial Championships	2023
1st at the International NeurotechX Competition	2022
Qualified for VEX EDR World Championships	2020

## EXTRA CURRICULAR

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<b>Varsity Fencing Athlete</b> <i>University of Waterloo</i>	Sep 2022 - Present
<b>Executive</b> <i>University of Waterloo Fencing Club</i>	Sep 2022 - May 2023
<b>Founding Member</b> <i>Symphonic (WatoLink)</i>	Nov 2021 - Dec 2022
<b>Founder &amp; Team Lead</b> <i>VEX EDR Team 97779</i>	Nov 2019 - Jun 2021