

NIKITA HADUONG

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Paul G. Allen School of Computer Science and Engineering, University of Washington
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RESEARCH SCIENTIST

Natural Language Processing Specialist designing human-centered AI interactions that promote responsible and effective collaboration. Expertise in creating systems and methodologies for analyzing human-AI behavior, yielding actionable insights to improve human-AI processes.

EDUCATION

University of Washington *2018 - Expected June 2025*
Ph.D., Computer Science and Engineering
Advisor: Noah A. Smith
Selected Coursework: Human-Centered Design and Engineering, Machine Learning, Creativity and Computing, Security and Privacy

Indiana University *2014 - 2017*
Bachelor's of Science with an Outside Field in Classical Violin
Performance and Computational Linguistics
Certificate of Entrepreneurship
Selected Coursework: Advanced Natural Language Processing, Language Revitalization, Applying Machine Learning Techniques to Natural Language Processing, Author Profiling

Harvard Extension School *Fall 2017*
Selected Coursework: Big Data, Computational Bayesian Inference

WORK EXPERIENCE

Co-founder of Argent Games LLC *Dec. 2015 - Present*
Shoemaker Innovation Center Assistant *Jan. 2018 - May 2018*
Indiana University in Bloomington
Research Assistant at Computational Sensing REU *May 2017 - Aug. 2017*
Rochester Institute of Technology
Teaching Fellow at Breakthrough Miami *May 2016 - Aug. 2016*

SELECTED AWARDS AND GRANTS

Outstanding Paper at the 59th Annual Meeting of the Association for Computational Linguistics *2021*
UW Reality Lab Workshop Funding (internal competition) *2019-2021*
Futurewei Mobile Systems Funding (internal competition) *2019-2020*
Outstanding Teaching Fellow *Summer 2016*
Shoemaker Scholar *2016 - 2017*

TEACHING EXPERIENCE

Teaching Assistant for UW Yacht Club Windsurfing Course *Fall 2024*
Instructor of Record for UW CSE 481D Games Capstone *Winter 2023*
Teaching Assistant for UW CSE 481D Games Capstone *Spring 2021*
Outstanding Teaching Fellow for Breakthrough Miami *Summer 2016*

MENTORING

UW CSE Pre-Application Mentorship Service University of Washington	2022-2023
First Year Graduate Student Mentor University of Washington	2020-2024

SERVICE

Assistant Coordinator for UW Yacht Club Windsurf Excursions University of Washington	2024
PhD Visit Days Scheduler for NLP University of Washington	2023
Coordinator for First Year Graduate Student Mentor Program University of Washington	Spring 2020
First Year Graduate Student Mentor University of Washington	2020-2024
Community Building Events Coordinator for Noah’s Ark and GRAIL Research Labs University of Washington	2020-2023

INVITED TALKS

Gave invited talk at UW Game Development Club University of Washington	Spring 2024
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PEER-REVIEWED PUBLICATIONS

Nikita Haduong, Irene Wang, Bo-Ru Lu, Prithviraj Ammanabrolu, and Noah A. Smith. **CPS-TaskForge**: Generating Collaborative Problem Solving Environments for Diverse Communication Tasks. In *CustomNLP4U Workshop at the 2024 Conference on Empirical Methods in Natural Language Processing*, 2024

Bo-Ru Lu*, **Nikita Haduong***, Chia-Hsuan Lee, Zeqiu Wu, Hao Cheng, Paul Koester, Jean Utke, Tao Yu, Noah A. Smith, and Mari Ostendorf. Does Collaborative Human-LM Dialogue Generation Help Information Extraction from Human-Human Dialogues? *Proceedings of the 1st Conference on Language Modeling*, 2024

Nikita Haduong, Alice Gao, and Noah A. Smith. Risks and NLP Design: A Case Study on Procedural Document QA. In *Findings of the 61st Annual Meeting of the Association for Computational Linguistics*, 2023

Elizabeth Clark, Tal August, Sofia Serrano, **Nikita Haduong**, Suchin Gururangan, and Noah A. Smith. All That’s “Human” Is Not Gold: Evaluating Human Evaluation of Generated Text. In *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing*, 2021. **Outstanding Paper award**

Nikita Haduong*, David Nester*, Preethi Vaidyanathan, Emily Prud’hommeaux, Reynold Bailey, and Cecilia O Alm. Multimodal Alignment for Affective Content. In *Workshops at the Thirty-Second AAAI Conference on Artificial Intelligence*, 2018

* indicates equal contribution

PRE-PRINTS

Nikita Haduong and Noah A. Smith. Raising the Stakes: Performance Pressure Improves AI-Assisted Decision Making. *arXiv preprint arXiv:2410.16560*, 2024

Bo-Ru Lu, **Nikita Haduong**, Chien-Yu Lin, Hao Cheng, Noah A. Smith, and Mari Ostendorf. Encode Once and Decode in Parallel: Efficient Transformer Decoding. *arXiv preprint arXiv:2403.13112*, 2024

* indicates equal contribution

OTHER PUBLICATIONS

Can Liu, Wen Li, Bradford Demarest, Yue Chen, Sara Couture, Daniel Dakota, **Nikita Haduong**, Noah Kaufman, Andrew Lamont, Manan Pancholi, Kenneth Steimel, and Sandra Kübler. IUCL at SemEval-2016 Task 6: An Ensemble Model for Stance Detection in Twitter. In *Proceedings of the 10th International Workshop on Semantic Evaluation (SemEval-2016)*, pages 394–400, 2016

* indicates equal contribution

COMPUTING

Languages: Python, C#, GDScript, Blueprints

Game Engines: Unity, Unreal, Godot, RenPy