



Code)

**Christopher Clarke**, Joseph Peper, Karthik Krishnamurthy, Walter Talamonti, Kevin Leach, Yiping Kang, Walter Lasecki, Lingjia Tang, Jason Mars. 2022. One Agent To Rule Them All: Towards Multi-agent Conversational AI. Findings of the Association for Computational Linguistics: ACL 2022 (PDF, Code)

Yiping Kang, Ashish Mahendra, **Christopher Clarke**, Lingjia Tang, Jason Mars. 2022. Towards Personalized Intelligence at Scale. arXiv preprint 2022 (PDF)

Stefan Larson, Anish Mahendran, Joseph J Peper, **Christopher Clarke**, Andrew Lee, Parker Hill, Jonathan K Kummerfeld, Kevin Leach, Michael A Laurenzano, Lingjia Tang, Jason Mars. 2019. An Evaluation Dataset for Intent Classification and Out-of-Scope Prediction. Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP), 1311–1316. (PDF, Code)

## IN REVIEW

**Christopher Clarke**, Karthik Krishnamurthy, Walter Talamonti, Yiping Kang, Lingjia Tang, Jason Mars. 2023. One Agent Too Many: User Perspectives on Approaches to Multi-agent Conversational AI. Under review

## IN PREP

**Christopher Clarke**, Stefan Heng, Lingjia Tang, Jason Mars. 2023. PEFT-U: Parameter-Efficient Fine-Tuning for User Personalization at Scale. In prep

## PATENTS

Andrew Lee, Stefan Larson, **Christopher Clarke**, Kevin Leach, Jonathan K Kummerfeld, Parker Hill, Johann Hauswald, Michael A Laurenzano, Lingjia Tang, Jason Mars. 2020. Systems and methods for constructing an artificially diverse corpus of training data samples for training a contextually-biased model for a machine learning-based dialogue system. US Patent 10,796,104, 2020

## Awards, Fellowships, & Grants

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- 2022 **Weinberg Institute for Cognitive Science Travel Award**, University of Michigan
- 2022 **William R. & Flora Hewlett Foundation Award**, University of Michigan
- 2017 **Seeds for the Future Programme Award Recipient**, Huawei
- 2015 **Promoting CSME through Field Promotion Award Recipient**, Caricom

## Presentations

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\* *presenting author*; + *mentored undergraduate*

### INVITED TALKS

Fall 2023. *Building Bridges in CSE PhD Studies*. NSBE student group, Wayne State University

Winter 2023. *Conversational AI Research: Challenges and New Frontiers*. EECS 449 Conversational AI, University of Michigan

Summer 2020. *DevOps Automation with Gitlab*. V75 Dev Talk, Remote (Video, Slides).

Spring 2018. *A Sentient Approach to Designing Smart Devices*. 2nd Annual Undergraduate Research Conference, Turkeyen, Guyana

### CONTRIBUTED PRESENTATIONS

Timothy Indarsingh\*\*, Girendra Persaud, **Christopher Clarke**. 2018. A Comparative Analysis of the Usability of Event Management Software Interfaces. Poster: 2nd Annual Undergraduate Research Conference, Turkeyen, Guyana

## Teaching Experience

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Winter 2023	<b>EECS 449: Conversational AI</b> , Graduate Student Instructor	University of Michigan
Fall 2021	<b>EECS 498: Conversational AI</b> , Graduate Student Instructor	University of Michigan
Summer 2018	<b>CSE 1201: Introduction to Programming</b> , Lecturer	University of Guyana
Spring 2018	<b>CSE 3203: Object Oriented Software Analysis, Design and Development</b> , Lecturer	University of Guyana
Spring 2018	<b>CSE 2200: Contemporary Programming Paradigms</b> , Co-Instructor	University of Guyana
Fall 2017	<b>ITE 4102: Applied Project</b> , Co-Instructor	University of Guyana
Fall 2017	<b>CSE 3101: Internet Computing II</b> , Lecturer	University of Guyana
Fall 2017	<b>CSE 2201: Internet Computing I</b> , Lecturer	University of Guyana
Fall 2017	<b>CSE 2100: Data Structure &amp; Algorithms</b> , Lecturer	University of Guyana
2016-2017	<b>V75 Web Developer Series</b> , Course Co-ordinator & Instructor	WeOwn Space

## Mentoring

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2022-Present	<b>Yuhzao (Stefan) Heng</b> , Undergrad, University of Michigan
2021-2022	<b>Victoria Shipman</b> , Explore CS Research Programme, University of Michigan
2021-2022	<b>Tamariah Davis</b> , Explore CS Research Programme, University of Michigan
2017-2018	<b>Timothy Indarsingh</b> , Undergrad Advisee, University of Guyana

## Outreach & Professional Development

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### SERVICE AND OUTREACH

2021-Present	<b>Explore Computer Science Research</b> , Mentor	University of Michigan
2017-Present	<b>Nexus Hub Inc. Annual Hack-Solve</b> , Co-ordinator	Georgetown, Guyana
2014-2017	<b>University of Guyana Career Day</b> , Volunteer, Co-ordinator	Georgetown, Guyana
2017	<b>DevX Event</b> , Co-ordinator	Georgetown, Guyana

### DEVELOPMENT

**MIT 15.390.1x: Entrepreneurship 101: Who is your customer?**, 2015.

**The Entrepreneurs & Innovators Group of Guyana: Entrepreneurship & Innovators Workshop**, 2015

**Caricom CSME in the classroom: Improving Teaching & Learning**, 2015

**HarvardX: GSE2x Leaders of Learning**, 2014.

### PEER REVIEW

<b>International Symposium on Code Generation and Optimization (CGO), Artifact Evaluation Committee</b>	2020
<b>IEEE International Symposium on Performance Analysis of Systems and Software (ISPASS), Reviewer</b>	2020
<b>Empirical Methods in Natural Language Processing (EMNLP), Reviewer</b>	2021 - 2023
<b>Association of Computational Linguistics (ACL) Rolling Review, Reviewer</b>	2022 - 2023
<b>Neural Information Processing Systems (NeurIPS), Reviewer</b>	2022 - 2023