

Vasanth Sarathy

CONTACT	vsarathy@gmail.com 617.447.6223 Greater Boston Area	
RESEARCH SUMMARY	Embodied AI approaches for performing complex tasks that require creativity, reasoning, and alignment with social and ethical norms.	
EDUCATION	Ph.D., Computer Science and Cognitive Science	2015-2020
	Tufts University Department of Computer Science Dissertation: Sense-making Machines Advisors: Matthias Scheutz (C.S.) and Daniel Dennett (Cog.Sci.)	
	Juris Doctor (J.D.)	2007-2010
	Boston University School of Law Member of the Bar in the Commonwealth of Massachusetts United States Patent and Trademark Office	
		Admitted 2010 Admitted 2007
	M.S., Electrical Engineering and Computer Science	2003-2005
	Massachusetts Institute of Technology Advisors: Thomas Keim and Chatham Cooke	
	B.S., Electrical Engineering	1999-2003
	University of Arkansas <i>Summa Cum Laude</i>	
AWARDS, GRANTS, FUNDING	Artificial Intelligence Exploration - DARPA (I2O)	2022
	Defense Research Advanced Projects Agency \$400,000 (Key Personnel, Proposal Writer) Impact: Compassionate online social media environments	
	Artificial Intelligence Exploration - DARPA (I2O)	2021
	Defense Research Advanced Projects Agency \$1,000,000 (Key Personnel, Proposal Writer) Impact: Improved civil discourse in online social media forums during humanitarian crisis events	
	Disruptioneering - DARPA (DSO)	2021
	Defense Research Advanced Projects Agency \$1,000,000 (PI, Proposal Writer) Impact: Enhanced social interaction capabilities for field robots	
	Grand Prize Winner – NSF 2026 Idea Machine Competition	2020
	National Science Foundation One of 4 Grand Prize Winners out of over 800 submissions \$26,000 Title: From Thinking to Inventing Impact: “Creative Problem Solving” established as an NSF research priority	

Teaching Fellowship	2019
Graduate Institute for Teaching (GIFT)	
Tufts University	
\$2000, Training Program	
John A. Adams & Dorothy M. Adams Graduate Fellowship	2015
Tufts University, School of Engineering	
\$30,000	
Graduate Student Research Competition	2016
Tufts University	
Title: Creative Problem Solving	
\$1,000	
Doctoral Consortia	
Artificial Intelligence, Ethics and Society (AIES)	2019
Human-Robot Interaction (HRI), HRI Pioneers	2016
Knowledge Representation and Reasoning (KR)	2016
Travel Grants	
National Science Foundation	2016, 2019
Tufts University	2015
Academic Merit Scholarships	2001-2003
University of Arkansas	
\$1,000 (each year)	
Chancellor's Scholarship	1999-2003
University of Arkansas	
Full tuition, room and board for all four years	

**RELEVANT
POSITIONS**

Senior Research Scientist	Sept 2020-present
Smart Information Flow Technologies (SIFT), Lexington, MA	
<ul style="list-style-type: none"> • Key Personnel: Developing AI agents for actively moderating online social media forums during crisis events using natural language generation techniques with large language models • Technical Lead: Developing transformer-based models for extracting structured argumentation graphs from unstructured natural language text • Researcher: Developing novel algorithms for integrating symbolic planning with classical and deep reinforcement learning, enabling embodied AI agents to invent high-level action models during task performance • Researcher: Developing neuro-symbolic models for disambiguating word senses from raw text • Researcher: Developing epistemic planning systems for recognizing and reasoning about human teammates' plans and mental models • PI: Developing robotic behaviors aimed at reducing tensions among human interactants in hostile, real-world environments • Fundraising: Drafted several winning DARPA proposals, invited to DARPA Workshop on future research opportunities with Large Language Models, working relationships with several DARPA PMs at the I2O office. 	

Cognitive Robotics Ph.D. Researcher

Sept 2015-Aug 2020

Human-Robot Interaction Laboratory

Tufts University, Medford, MA

- Researcher: Designed an embodied AI agent capable of recognizing and accommodating environmental novelties during task performance
- Researcher: Devised an AI planning-based formalism for creative problem solving based on the psychological theory of insight problem solving. Implemented associated algorithms in a robotic system
- Researcher: Designed and implemented cognitive robotic architectures for PR2 robots for perceiving object affordances and learning normative constraints from humans through natural language interaction
- Researcher: Evaluated and formalized the role of situated reasoning for natural language understanding tasks including pronoun disambiguation and speech act classification
- Researcher: Produced novel algorithms for learning human social norms under uncertainty due to observational occlusion and variations in sensor reliability
- Participant: Explored deep neural network architectures for conversational AI at the Conversational Intelligence Summer School organized by the University of Massachusetts, Lowell and Moscow Institute of Physics and Technology

Associate – Intellectual Property Attorney

2005-2013

Ropes & Gray, LLP, Intellectual Property Group, Boston, MA

- Wrote several hundred technical and legal documents including patent applications, patent opinions, infringement letters, license agreements, and memos
- Directed intellectual property due-diligence efforts in conjunction with several mergers and acquisitions
- Counseled university and industrial clients in protecting, valuing and transacting technologies spanning software, AI, and machine learning, underwater robotic systems, and biotechnology.

M.S. Research Assistant

2003-2005

Research Laboratory for Electronics

MIT, Cambridge, MA

- Developed and experimentally verified a novel mathematical model for electrical current flow in printed circuit board insulation
- Designed and constructed a logarithmic amplifier, vacuum oven, instrumentation, and associated software interfaces for degradation experiments

Research Intern

Summer 2003

Schlumberger Sugar Land Product Center, Sugar Land, TX

- Developed a novel signal processing algorithm for an oil exploration device that outperformed its predecessor at half the cost
- Presented results to upper management and inspired an interest in other applications of the technique

Research Intern

Summer 2002

Schlumberger-Doll Research Center, Ridgefield, CT

- Developed novel algorithms for inverting acoustic data obtained from geophysical sensing devices
- Co-authored two internal publications

Undergraduate Research Assistant
University of Arkansas, Fayetteville, AR

2002-2003

- Developed algorithms to assist in land mine detection
- Solved electromagnetic field equations involving different micro-strip structures (patch antennas) using numerical techniques

**JOURNAL
ARTICLES**

- [J5] **Vasanth Sarathy**, Thomas Arnold, and Matthias Scheutz. [When Exceptions Are the Norm: Exploring the Role of Consent in HRI](#). *ACM Transactions on Human-Robot Interaction (Formerly, Journal of Human-Robot Interaction)*, 8(3):14:1–14:21, July 2019
- [J4] Matthias Scheutz, Thomas Williams, Evan Krause, Bradley Oosterveld, **Vasanth Sarathy**, and Tyler Frasca. [An Overview of the Distributed Integrated Affect and Reflection Cognitive DIARC Architecture](#). In *Cognitive Architectures*, pages 165–193. Springer, 2019
- [J3] **Vasanth Sarathy**. [Real World Problem-Solving](#). *Frontiers in Human Neuroscience*, 12, 2018
- [J2] **Vasanth Sarathy** and Matthias Scheutz. [MacGyver Problems: AI Challenges for Testing Resourcefulness and Creativity](#). *Advances in Cognitive Systems*, 6, 2018
- [J1] **Vasanth Sarathy** and Matthias Scheutz. [A Logic-based Computational Framework for Inferring Cognitive Affordances](#). *IEEE Transactions on Cognitive and Developmental Systems*, 10(1):26–43, 2018

**REFEREED
CONFERENCE
PROCEEDINGS**

- [C20] Noam Benkler, Scott Friedman, Sonja Schmer-Galunder, Drisana Mosaphir, **Vasanth Sarathy**, Pavan Kantharaju, Matthew McLure, and Robert P Goldman. [Cultural Value Resonance in Folktales: A Transformer-Based Analysis with the World Value Corpus](#). In *International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction and Behavior Representation in Modeling and Simulation*, pages 209–218. Springer, 2022 (Oral Presentation)
- [C19] **Vasanth Sarathy**, Mark Burstein, Scott Friedman, Robert Bobrow, and Ugur Kuter. [A Neuro-Symbolic Cognitive System for Intuitive Argumentation](#). In *Proceedings of the Tenth Annual Conference on Advances in Cognitive Systems*, 2022 (Oral Presentation)
- [C18] Christopher Geib, Jeffrey Rye, and **Vasanth Sarathy**. [Portals and Spaces: An Egocentric Knowledge Representation for Reasoning about Actions and its Implementation](#). In *Proceedings of the Tenth Annual Conference on Advances in Cognitive Systems*, 2022 (Poster Presentation)
- [C17] Shivam Goel, Yash Shukla, **Vasanth Sarathy**, Matthias Scheutz, and Jivko Sinapov. [RAPid-Learn: A Framework for Learning to Recover for Handling Novelty in Open-World Environments](#). In *2022 IEEE International Conference on Development and Learning (ICDL)*. IEEE, 2022 (Oral Presentation)
- [C16] **Vasanth Sarathy** and Mathias Scheutz. [BIPLEX: Creative Problem-Solving by Planning for Experimentation](#). In *13th International Conference on Computational Creativity (ICCC'22)*, page 9, July 2022 (Oral Presentation)
- [C15] Scott Friedman, Ian Magnusson, **Vasanth Sarathy**, and Sonja Schmer-Galunder. [From Unstructured Text to Causal Knowledge Graphs: A Transformer-Based Approach](#). In *Proceedings of the Ninth Annual Conference on Advances in Cognitive Systems*, page 18, 2021 (Oral Presentation)

- [C14] **Vasanth Sarathy**, Daniel Kasenberg, Shivam Goel, Jivko Sinapov, and Matthias Scheutz. [SPOTTER: Extending Symbolic Planning Operators through Targeted Reinforcement Learning](#). In *Proceedings of the 20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2021 (Oral Presentation)
- [C13] Faizan Muhammad, **Vasanth Sarathy**, Gyan Tatiya, Shivam Goel, Saurav Gyawali, Mateo Guaman, Jivko Sinapov, and Matthias Scheutz. [A Novelty-Centric Agent Architecture for Changing Worlds](#). In *Proceedings of 20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2021 (Oral Presentation)
- [C12] **Vasanth Sarathy**, Alexander Tsuetaki, Antonio Roque, and Matthias Scheutz. [Reasoning Requirements for Indirect Speech Act Interpretation](#). In *Proceedings of the 28th International Conference on Computational Linguistics (COLING)*, 2020
- [C11] Antonio Roque, Alexander Tsuetaki, **Vasanth Sarathy**, and Matthias Scheutz. [Developing a Corpus of Indirect Speech Act Schemas](#). In *Proceedings of the Twelfth International Conference on Language Resources and Evaluation (LREC)*, 2020 (Oral Presentation)
- [C10] **Vasanth Sarathy** and Matthias Scheutz. [On Resolving Ambiguous Anaphoric Expressions in Imperative Discourse](#). In *Proceedings of the Thirty-Third AAAI Conference on Artificial Intelligence (AAAI-19)*, 2019 (Oral Presentation)
- [C9] Naveen Sundar Govindarajulu, Selmer Bringsjord, Rikhiya Ghosh, and **Vasanth Sarathy**. [Towards the Engineering of Virtuous Machines](#). In *Proceedings of the 2nd AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (AIES-19)*, 2019 (Spotlight Talk)
- [C8] **Vasanth Sarathy**. [Learning Context-Sensitive Norms under Uncertainty](#). In *Proceedings of the 2nd AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (AIES-19)*, 2019
- [C7] Daniel Kasenberg, **Vasanth Sarathy**, Thomas Arnold, Matthias Scheutz, and Tom Williams. [Quasi-Dilemmas for Artificial Moral Agents](#). In *International Conference on Robot Ethics and Standards*, 2018 (Oral Presentation)
- [C6] Evana Gizzi, Lisa Le Vie, Matthias Scheutz, **Vasanth Sarathy**, and Jivko Sinapov. [Knowledge Acquisition in the Cockpit Using One-Shot Learning](#). In *Proceedings of the 2018 IEEE National Aerospace and Electronics Conference (NAECON)*. 2018
- [C5] **Vasanth Sarathy**, Bradley Oosterveld, Evan Krause, and Matthias Scheutz. [Learning Cognitive Affordances for Objects from Natural Language Instruction](#). In *Proceedings of the Sixth Annual Conference on Advances in Cognitive Systems*, 2018 (Oral Presentation)
- [C4] **Vasanth Sarathy**, Matthias Scheutz, and Bertram Malle. [Learning Behavioral Norms in Uncertain and Changing Contexts](#). In *Proceedings of the 2017 8th IEEE International Conference on Cognitive Infocommunications (CogInfoCom)*, 2017 (Oral Presentation)
- [C3] **Vasanth Sarathy**, Matthias Scheutz, Joseph Austerweil, Yoed Kenett, Mowafak Allaham, and Bertram Malle. [Mental Representations and Computational Modeling of Context-Specific Human Norm Systems](#). In *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*, 2017 (Oral Presentation) [[Robert Glushko Prize](#)]
- [C2] **Vasanth Sarathy** and Matthias Scheutz. [Beyond Grasping - Perceiving Affordances Across Various Stages of Cognitive Development](#). In *Proceedings of the The Sixth Joint IEEE International Conference Developmental Learning and Epigenetic Robotics (ICDL)*, 2016 (Oral Presentation)

- [C1] **Vasanth Sarathy** and Matthias Scheutz. [Cognitive Affordance Representations in Uncertain Logic](#). In *Proceedings of the 15th International Conference on Principles of Knowledge Representation and Reasoning (KR)*, 2016 (Spotlight Talk)

**REFEREED
WORKSHOP
PROCEEDINGS**

- [W8] **Vasanth Sarathy** and Matthias Scheutz. [Multiagent Norm Identification: A Belief-Theoretic Approach for Automatically Identifying Explicitly Represented Norms from Observation](#). In *Proceedings of the New England Machine Learning Conference*, 2018
- [W7] **Vasanth Sarathy**. [Real World Problem Solving: How Can One's Environment Influence the Cognitive Processes Underlying Creative Problem-Solving?](#) In *Proceedings of the 5th Meeting of the Society for the Neuroscience of Creativity*, 2018
- [W6] **Vasanth Sarathy** and Matthias Scheutz. [MacGyver Test](#). In *Proceedings of the Sixth Annual Conference on Advances in Cognitive Systems*, 2018
- [W5] Evana Gizzi, Lisa Le Vie, Matthias Scheutz, **Vasanth Sarathy**, and Jivko Sinapov. [A Generalized Framework for Detecting Anomalies in Real-Time Using Contextual Information](#). In *Proceedings of the 2018 IJCAI Workshop on Modeling and Reasoning in Context (MRC)*. 2018
- [W4] **Vasanth Sarathy**, Jason Wilson, Thomas Arnold, and Matthias Scheutz. [Enabling Basic Normative HRI in a Cognitive Robotic Architecture](#). In *Proceedings of the 2nd workshop on Cognitive Architectures for Social Human-Robot Interaction at the 11th ACM/IEEE Conference on Human-Robot Interaction*, 2016
- [W3] **Vasanth Sarathy**. [Inferring Higher-Order Affordances for more Natural Human-Robot Collaboration](#). In *Proceedings of the Human-Robot Interaction (HRI) Pioneers Workshop*, 2016
- [W2] **Vasanth Sarathy** and Matthias Scheutz. [Cognitive Affordance Representations in Uncertain Logic](#). In *Doctoral Consortium at the 15th International Conference on Principles of Knowledge Representation and Reasoning (KR)*, 2016
- [W1] **Vasanth Sarathy** and Matthias Scheutz. [Semantic Representation of Objects and Function](#). In *Proceedings of the 2015 IROS Workshop on Learning Object Affordances*, 2015

**CURRENTLY
UNDER
REVIEW**

- [U3] **Vasanth Sarathy**, Sonja Schmer-Galunder, Dan Thomsen, Laurel Bobrow, and Richard Freedman. [Fostering Online Civil Sanctuaries with Theory-Informed Automated Content Moderation](#). In *Proceedings Ninth International Conference on Computational Social Science (IC2S2)*, 2023
- [U2] Scott Friedman, Sonja Schmer-Galunder, **Vasanth Sarathy**, Ruta Wheelock, Matthew McLure, Drisana Mosaphir, Robert P Goldman, Noam Benkler, Pavan Kantharaju, Micah Goldwater, and Cristine Legare. [Mapping a Plurality of Explanations with NLP: A Case Study of Mothers and Health Workers in India](#). In *Proceedings of the 45th Annual Meeting of the Cognitive Science Society*, 2023
- [U1] Noam Benkler, Scott Friedman, Pavan Kantharaju, Matthew McLure, Drisana Mosaphir, **Vasanth Sarathy**, and Sonja Schmer-Galunder. [Recognizing Value Resonance in Text: Dataset and Transformer-Based Model](#). In *Proceedings of the Association for Computational Linguistics (ACL)*, 2023

OTHER TALKS AND POSTERS	Vasanth Sarathy. Natural Language Understanding via Commonsense Reasoning. In <i>Machine Intelligence Conference</i> , 2019	
	Vasanth Sarathy. Real World Problem Solving. In <i>Graduate Student Research Symposium at Tufts University</i> , 2018 [Best Poster]	
	Vasanth Sarathy. Macgyver Robots. In <i>Graduate Student Research Symposium at Tufts University</i> , 2016 [Best Talk]	
PATENT APPLICATIONS	[U2] Vasanth Sarathy , Scott Friedman, and Sara Friedman. Natural Language Processing for Addressing Bias , U.S. Patent Application Number 18/179,862, 2023	
	[U1] Vasanth Sarathy , Scott Friedman, and Sara Friedman. Natural Language Processing for Addressing Bias , U.S. Patent Application Number 18/179,842, 2023	
TEACHING	Co-Instructor Tufts University Department of Computer Science Ethics for AI, Robotics and Human-Robot Interaction	Spring 2020
	Teaching Assistant Tufts University Department of Computer Science Ethics for AI, Robotics and Human-Robot Interaction	Spring 2019
	Teaching Assistant Tufts University Department of Computer Science Human-Robot Interaction	Spring 2019
	Teaching Assistant University of Arkansas Department of Electrical Engineering Electromagnetic Fields and Waves	Spring 2002
	Teaching Assistant University of Arkansas Department of Electrical Engineering Electromechanical Energy Conversion	Fall 2002
	<i>Teaching</i>	
TEACHING, ADVISING AND MENTORSHIP	Co-Instructor Tufts University Department of Computer Science Ethics for AI, Robotics and Human-Robot Interaction	Spring 2020
	Teaching Assistant Tufts University Department of Computer Science Ethics for AI, Robotics and Human-Robot Interaction	Spring 2019
	Teaching Assistant Tufts University Department of Computer Science Human-Robot Interaction	Spring 2019
	Teaching Assistant University of Arkansas Department of Electrical Engineering Electromagnetic Fields and Waves	Spring 2002
	Teaching Assistant University of Arkansas Department of Electrical Engineering Electromechanical Energy Conversion	Fall 2002

Selected Advising and Mentorship

Intern Mentor

Spring 2022 - Winter 2023

Advisee: Zoe Fang, University of Washington

Topic: Social Scene Understanding

Undergraduate Research Project Co-Advisor

Winter-Spring 2020

Advisee: Faizan Muhammad, Tufts Undergraduate

Topic: Novelty discovery and creative problem solving

Undergraduate Research Project Co-Advisor

Summer-Fall 2019

Advisee: Jasmine Falk, Tufts Undergraduate

Topic: Reasoning in human-human dialog understanding: A corpus analysis

Undergraduate Research Project Co-Advisor

Summer-Fall 2019

Advisee: Alexander Tsuetaki, Tufts Undergraduate

Topic: Human-robot study design for evaluating human expectations of robot competencies

Undergraduate Research Project Co-Advisor

Summer-Fall 2019

Advisee: Marlow Fawn, Tufts Undergraduate

Topic: Robotic architecture for creative problem solving

Undergraduate Research Project Co-Advisor

Spring-Fall 2019

Advisee: Howard Kim, Tufts Undergraduate

Topic: Agent-based simulations for evaluating AI norm learning algorithms

Tufts Summer Scholars Research Project Co-Advisor

Summer 2018

Advisee: Emily Sim, Tufts Undergraduate

Topic: Techniques for reducing computational complexity of uncertainty processing

Undergraduate Research Project Supervisor

2016-2018

Advisees (Tufts Undergraduates): Jacqueline Enderle, Vivian Hong, Mar Freeman, Daniel Atik, Benajamin Machlin, Kennedy Baily, Ballard Blair, Erica Luzzi, and Danish Bhatti

Summer Project Supervisor

2016-2018

Advisees (High-School students): Connor Coale (Manchester-By-The-Sea), Dhruv Srinivas (Concord Academy), and Jerry Liang (Concord Academy)

Intellectual Property Law Project Supervisor

2006-2013

Advisees (Ropes & Gray): Jason Sussman, Saurabh Gupta, Grace Wang, Caroline Greenwood, Karan Singh, Tan Mau Wu, Laura Zager, Tushar Parlikar, Matthew Bertenthal

**INVITED
TALKS AND
GUEST
LECTURES**

“*Creating Civil Sanctuaries online with NLP*”

Fall 2022

NLP Summit

Host: John Snow Labs

“High-Level KR&R for Language Understanding”

Summer 2020

Colorado School of Mines

Host: Tom Williams

“Creative Problem Solving” Spring 2020
 Google Brain
 Host: Alex Wiltscho

“Sense-Making with Symbolic Reasoning for NLU and Creativity” Winter 2020
 MIT-IBM Watson AI Lab
 IBM Research AI
 Host: David Cox

“Reasoning with Social Norms for Assistive Robotics” (Guest Lecture) Fall 2019
 Course: Socially Assistive Robotics
 Tufts University
 Host: Elaine Short

“Reasoning for Natural Language Understanding” Fall 2019
 Machine Learning Lab
 Tufts University
 Host: Liping Liu

“Interval Uncertainty and Dempster-Shafer Theory” Fall 2019
 Automated Systems and Robotics Lab
 Tufts University
 Host: Jason Rife

“The Ethics of Conversational AI” (Guest Lecture) Spring 2019
 Course: Ethics of AI, Robotics and Human-Robot Interaction
 Tufts University
 Host: Thomas Arnold

“Beyond Bayesian: Modeling Uncertainty in Cognitive Science” Spring 2019
 NeuroCognition of Language Lab
 Tufts University, Massachusetts General Hospital
 Host: Gina Kuperberg

PROFESSIONAL SERVICE *Referee Service*
 Journal of Artificial Intelligence Research (JAIR), AAAI, Fall 2017 - Present
 IJCAI, ECAI, AAMAS, ACL, HRI, ICDL, IROS, EMNLP, ACS

Editorial Contribution
Journal Editor 2020-2021
 Creativity and Robotics
 Frontiers in Robotics and AI

Workshop Organization
Co-Chair 2020
 Creativity and Robotics Workshop
 International Conference on Social Robotics (ICSR)

Program Committee Co-Chair 2016-2017
 Human-Robot Interaction (HRI) Pioneers Workshop

Grant Review Committee Fall 2017
 Graduate Student Research Competition
 Tufts University

**PUBLIC
OUTREACH**

Talks

TEDx Tufts - “MacGyver Machines” (AI Autonomy and Resourcefulness) 2019
Taste of Science - “Common Sense is not Common . . . Especially Among Robots” 2018
Cambridge Science Festival - “What would MacGyver Do?” 2016

Community Engagement

Hawken School (OH) - Consulting for Curriculum Development 2018-present
Medford High School (MA) - Mentor, Reverse Science Fair Judge 2017-present
The Creativity Post - Invited Blog Post 2018
City of Boston (MA) - Robot Block Party Volunteer 2017
Tufts Community Day - Volunteer 2016
MIT/Sidney-Pacific - Chair Comm. on Scholarly Interaction 2004-2005
Univ. of Arkansas/Eta Kappa Nu - President 2002-2003

**SELECTED
PRESS**

Quoted: Tufts Team Wins a Grand Prize in NSF Idea Machine
Competition. Tufts Now. February 2020
<https://now.tufts.edu/articles/tufts-team-wins-grand-prize-nsf-idea-machine-competition>

Interviewed: Get Uncomfortable – The Value of Real World Problems
Episode 9. Redesigning School Podcast. May 2019
<http://redesigningschool.org/the-pod/>

Quoted: AI is Smart. Can we Make it Kind? Tufts Magazine. Spring 2019
<https://tuftsmagazine.com/issues/magazine/2019/spring/ai-smart-can-we-make-it-kind>

SKILLS

Computer

Languages: Python, Java, Javascript, C++, Prolog, Answer Set Programming
Deep Learning/ ML: PyTorch, Tensorflow, scikit-learn
Robotics: ROS
Cognitive Systems: DIARC, SOAR, ACT-R
Misc: vim, bash, L^AT_EX, git

Languages

Hindi (proficient/fluent)
Tamil (proficient/fluent oral, beginner written)

INTERESTS

Cartooning and Generative Art

ELSA Moot Court Exhibition - World Trade Organization 2017
The Record - B.U. Law Alumni Magazine 2010
Legally Drawn 2008-2012