James Spann · Curriculum Vitae

http://www.jspann.me
james@jspann.me

EDUCATION

University of Rochester   August 2020 - Present
Ph.D. in Computer Science
Advisor: Dr. Ehsan Hoque

Rochester Institute of Technology   May 2020
Bachelor of Science, Computer Science - *Cum Laude*
Minor: Mathematics
Full Time Research: Fall 2019, Spring 2018

RESEARCH EXPERIENCE

ROCHCI Group - Dr. Ehsan Hoque   June 2020 - Present
University of Rochester, Rochester, NY

Future Interfaces Group - Dr. Chris Harrison   May 2020 - April 2021
Carnegie Mellon University, Pittsburgh, PA

Independent Study - Dr. Christopher Homan   September 2017 - August 2020
Rochester Institute of Technology, Rochester, NY
- Independent Study: Autumn 2017, Autumn 2018, Spring 2019
- Full Time Research (Co-Op): Autumn 2019

MIT Summer Research Program - Dr. Alex Pentland   Summer 2019
Massachusetts Institute of Technology Media Laboratory, Cambridge, MA

NASA Jet Propulsion Laboratory - Dr. Adrian Stoica   Summer 2018
California Institute of Technology, Pasadena, CA

MIT Summer Research Program - Dr. Andrew Lippman   Summer 2017
Massachusetts Institute of Technology Media Laboratory, Cambridge, MA

Future Everyday Technology Research Lab - Dr. Daniel Ashbrook
Rochester Institute of Technology, Rochester, NY   May 2016 - June 2018
- Independent Study: Summer 2016, Autumn 2016, Spring 2017, Autumn 2017
- Full Time Research (Co-Op): Spring 2018

UNDER REVIEW

Md. Kamrul Hasan, **James Spann**, Ehsan Hoque. `Multimodal-CLIP: Pre-training Acoustic-Visual Representation from Monologue Speech to Analyze Behavioral Tasks` *AAAI Conference on Artificial Intelligence (AAAI)*, 2022

James Spann, Pratik Bongale, Chris Homan. `Active Learning for Label Distribution Learning` *ACM Web Search and Data Mining (WSDM) Conference* , 2022

REFEREED CONFERENCE PAPERS	Vivian Shen, **James Spann**, Chris Harrison. `FarOut: Extending the Range of ad hoc Touch Sensing with Depth Cameras` *Proceedings of the ninth ACM Symposium on Spatial User Interaction (ACM SUI)*, 2021 [Won Best Paper Award]
	Md. Kamrul Hasan, **James Spann**, Masum Hasan, Md. Saiful Islam, Kurtis Haut, Rada Mihalcea, Ehsan Hoque. `Hitting your MARQ: Multimodal ARgument Quality Assessment in Long Debate Video` *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2021

HONORS AND AWARDS	Heidelberg Laureate Forum - Young Researcher	2022
	ACM Symposium on Spatial User Interaction (ACM SUI) - Best Paper Award	Autumn 2021
	Richard Tapia Celebration of Diversity in Computing Conference Scholarship - *Jane Street Scholar*	Autumn 2021
	The National GEM Consortium - GEM Associate Fellow	2020 - 2022
	National Science Foundation - Research Traineeship Fellowship	2020 - 2021
	University of Rochester - Provost's Fellowship (Deferred until Autumn 2021 for the NSF Trainee Fellowship)	2020 - 2022
	RIT McNair Scholar	(4 semesters) 2018-2020
	RIT Tiger Tank Business Competition Finalist	2019
	California Institute of Technology SURF Fellow	2018
	First place award - University of Rochester Spring DandyHacks Hackathon	2018

TEACHING EXPERIENCE	**Introduction to Programming (CSC 161)** - Teaching Assistant Autumn 2021, Spring 2022

- Maintained office hours for student assistance, managed and participated in exam grading sessions with other TAs, and helped write course content for exams and projects.

Upward Bound Math/Science Program - Teacher   Summer 2021, Summer 2022

- Designed and taught intro Computer Science lectures as a part of the University of Rochester's Summer 2021 Upward Bound program for Rochester high school students. Created and supervised weekly hands-on example activities, and demonstrated various programming techniques.

Data Management Systems (CSC 263/463) - Student Grader   Spring 2021

- Graded student exams and assignments.

Principles of Data Mining (CSCI 420) - Student Grader   Spring 2020

- Graded student quizzes and held weekly office hours.

INVITED TALKS	**Assisting Doctors with Movement Disorder Diagnosis using AI**	
	NSF-NIH Smart and Connected Health workshop - Washington State University 2022	
	Research workflows with Jupyter and Conda	
	PhD #Shots - Rochester Institute of Technology, Rochester, New York	2022
	OPAL and Robots Or How I Stopped Worrying And Learned to Algorithmically Trust	
	MIT Media Lab, Cambridge, Massachusetts	2019
	Detecting bias through user interaction	
	MIT Media Lab, Cambridge, Massachusetts	2017
	Knock on Wood Sensor	
	RIT Undergraduate Research Symposium, Rochester, New York	2016

SELECTED POPULAR PRESS	Discover Something New at Imagine RIT	2019
	The secret lives of students who mine cryptocurrency in their dorm rooms	2018
	A season of learning at the Lab	2017

ACADEMIC ACTIVITIES	**Conference Reviewer:** ACII'21	
	University of Rochester School of Arts, Sciences & Engineering - Conference Grant Reviewer:	Winter 2021, Spring 2022
	MIT Summer Research Program Application Review Committee:	2021, 2022

ACTIVITIES	Graduate Students of Color	August 2020 - Present
	Computer Petting Zoo Exhibitor	May 2019 - June 2020
	Stanford SERGE	October 2019
	McNair Scholars Program	2018-2020
	MIT Media Lab Digital Currency Initiative Bootcamp	Summer 2016
	RIT Data Science Research Group	2016-2020
	Louis Stokes Alliances for Minority Participation (LSAMP)	2018-2020
	Multicultural Center for Academic Success Program	2015-2020
	RIT No Voice Zone	2015-2020
	RIT Go Club	2018-2020
	RIT Fencing Club	2015-2017

STUDENTS SUPERVISED	Sarah Chen, B.A. Psychology, U of R	Spring 2022-Present