

HOSSEIN FANI (he/him)

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 Fani's Lab! 3146 Erie Hall, +1 519 253 3000 x3743, <https://fani-lab.github.io>
 School of Computer Science, Faculty of Science, University of Windsor
 401 Sunset Avenue, Windsor, Ontario, N9B3P4, Canada

Teaching Projects: <https://github.com/hosseinfani>

Research Projects: <https://github.com/fani-lab>

**EDUCATION**

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|---|-----------------------|
| 5. Post-Doctorate , Toronto Metropolitan University, Dr. E. Bagheri | Nov 2019 – June 2020 |
| 4. Doctorate , Computer Science, University of New Brunswick, Supervisors: Dr. W. Du, Dr. E. Bagheri | May 2014 – May 2020 |
| 3. Master , Computer Science, Amirkabir University of Technology, Supervisor: Dr. M. Mozaffari | Sept 2006 – Jan 2009 |
| 2. Bachelor , Computer Science, Amirkabir University of Technology, Supervisor: Dr. M. E. Shiri | Sept 2001 – Sept 2005 |
| 1. Diploma , Mathematics and Physics, Shahid Emami Ale Agha | July 2000 |

PROFESSIONAL EMPLOYMENT

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| 6. Assistant Professor , School of Computer Science, Faculty of Science, University of Windsor, Canada, <i>Tenure Track</i> | July 2020 – Present |
| 5. Postdoctoral Research Fellow , Engineering and Architectural Science, Toronto Metropolitan Univ., Canada. <i>Team Lead in NSERC Industrial Research Chair on Social Media Analytics</i> | Nov 2019 – June 2020 |
| 4. Research Assistant , Engineering and Architectural Science, Toronto Metropolitan University, Canada. | May 2014 – Oct 2019 |
| 3. Contract Lecturer , Engineering and Architectural Science, Toronto Metropolitan University, Canada. | Jan 2019 – May 2019 |
| 2. Software Designer , Behsazan Mellat (Bank Mellat), Iran. <i>Customer Management System, Customer Credit Check, RSA, DB2, Java</i> | May 2013 – April 2014 |
| 1. Software Developer & Configuration Manager , System Group, Iran. <i>Human Capital Management System, SQL Server, ASP.Net, C#, Team Foundation Server</i> | July 2010 – Mar 2013 |

RESEARCH FUNDING**CAD\$995,937**

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| 11. OCI-C2C , Enhancing Business Intelligence through Unsolicited Feedback Analysis <i>Ontario Center for Innovation-Collaborate2Commercialize</i> <i>Press'nXPress, Discrete Choice Inc. (https://pxp.ai/)</i> | 2025 – 2025 | CAD\$150,000 |
| 10. CFI Infrastructure Operating Funds (IOF) | | CAD\$150,000 |
| 09. Accelerate , Knowledge Graph Mining for Recommendation and Engagement, co-PI <i>Mitacs Accelerate</i> <i>Warranty Life Services Inc. (https://www.warrantylife.com/)</i> | 2024 – 2029 | CAD\$022,500 |
| 08. Graduate Growth Incentive Fund , PI, Faculty of Science, <i>University of Windsor</i> | 2025 – 2025 | CAD\$015,000 |
| 07. CFI-JELF , Computing Infrastructure for Deep Learning on Graph-Structured Data, PI, Competitive <i>Ontario Research Fund (ORF)</i> <i>John R. Evans Leaders Fund (JELF) Canada Foundation for Innovation (CFI)</i> <i>University of Windsor</i> | 2022 – 2024 | CAD\$075,001 |
| 06. RTI , Computing Workstations for Deep Learning on Graph-Structured Data, PI, Competitive <i>Research Tools and Instruments, NSERC</i> | 2023 – 2024 | CAD\$075,001 |
| 05. Alliance-Accelerate , Customer Feedback Analytics from Unsolicited Resources, PI, Competitive <i>NSERC Alliance</i> <i>Mitacs Accelerate</i> <i>Press'nXPress, Discrete Choice Inc. (https://pxp.ai/)</i> | 2022 – 2022 | CAD\$051,925 |
| 04. Undergraduate Research Experience , Learning to Form Time-aware Teams of Experts, PI, Competitive, <i>University of Windsor</i> | 2022 – 2025 | CAD\$032,010 |
| 03. Discovery Grants Program , Time-aware Community-enhanced Social Information Retrieval, PI, Competitive, <i>NSERC</i> | 2022 – 2022 | CAD\$090,000 |
| 02. Discovery Launch Supplement , Time-aware Community-enhanced Social Information Retrieval, PI, Competitive, <i>NSERC</i> | 2021 – 2026 | CAD\$045,000 |
| 01. Startup Research Grant , Tenure Track Assistant Professor, <i>University of Windsor</i> | 2021 – 2022 | CAD\$045,000 |
| | | CAD\$002,000 |
| | | CAD\$145,000 |
| | | CAD\$012,500 |
| | | CAD\$065,000 |

INTELLECTUAL PROPERTY

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|---|------|
| 6. Fani , Zarrinkalam, Bagheri, Hui; A System and Method for Protection Plans and Warranty Data Analytics. <i>Filed in June 2019, US12,067,625, Granted on Aug. 20, 2024.</i> | 2024 |
| 5. Hui, Daws, Bagheri, Zarrinkalam, Fani , Paydar; Detecting the Presence or Absence of a Protective Case on an Electronic Device. <i>Filed in Oct. 2020, US11,768,522, Granted on Sept. 26, 2023.</i> | 2023 |
| 4. Bagheri, Fani *, Zarrinkalam*; System and Method for Temporal Identification of Latent Communities Using Electronic Content. <i>Filed Sept 2016, US10,885,131, Granted on Jan. 5, 2021.</i> | 2021 |
| 3. Hui, Daws, Bagheri, Zarrinkalam, Fani , Paydar; A System and Method for Detecting a Protective Product on the Screen of Electronic Devices. <i>PCT/CA2020/051413, WO2021077219A1, CN114616492A</i> | 2020 |

2. Hui, Bagheri, Zarrinkalam, Paydar, **Fani**, Daws; Method and System for Detecting Presence of a Protective Case on a Portable Electronic Device During Drop Impact. *PCT/CA2019/051590, WO2020093166A1, CN113302457A, EP3877728A4, US20220005341A1* 2019
1. Bagheri, **Fani***, Zarrinkalam*; System and Method for Temporal Identification of Latent Communities Using Electronic Content. *CA2941604A1* 2016

PUBLICATIONS *: graduate student, †: undergrad student, +: highschooler

Google h-index: 14

Doctoral Dissertation

- Fani**. Diachronically like-minded user community detection. University of New Brunswick, Fredericton, NB., Canada. 2020

Journal Articles

08. Saeedi, Hosseini, Wong†, **Fani**; A Survey of Subgraph Optimization for Collaborative Team Formation: Objectives, Techniques, and Critics. *ACM Computing Surveys, Impact Factor: 23.8, H-Index: 213, Revisions Submitted.* 2024
07. Zarrinkalam, Noughabib*, Noorian, **Fani**, Bagheri; Predicting Users' Future Interests on Social Networks: A Reference Framework. *Information Processing and Management (IP&M)*, 61(5): 103765 – Elsevier. *Impact Factor: 6.222, H-Index: 101* 2024
06. Rad*, **Fani**, Bagheri, Kargar, Srivastava, Szlichta. A Variational Neural Architecture for Skill-based Team Formation. *Transactions on Information Systems (TOIS)*, 42(1): 1–28. *Impact Factor: 6.06, H-Index: 84* 2023
05. Falavarjani*, Jovanovic, **Fani**, Ghorbani, Noorian, Bagheri. On The Causal Relation Between Real-World Activities and Emotional Expressions of Social Network Users. *Journal of the Association for Information Science and Technology (JASIST)* 72(6): 723–743. *Wiley, Impact Factor: 2.835, H-Index: 134* 2021
04. **Fani***, Jiang†, Bagheri, Al-beidat, Du, Kargar. User Community Detection via Embedding of Social Network Structure and Temporal Content. *Information Processing & Management (IP&M)–Elsevier*, 57(2): 102056. *Impact Factor: 6.222, H-Index: 101* 2020
03. **Fani***, Bagheri, Zarrinkalam*, Zhao†, Du. Finding Diachronic Like-Minded Users. *Computational Intelligence (CI)*, 34(1): 124–144. *Wiley, Impact Factor: 1.196, H-Index: 49* 2018
02. Feng*, Zarrinkalam*, Bagheri, **Fani***, Al-Obeidat. Entity linking of Tweets Based on Dominant Entity Candidates. *Social Network Analysis and Mining (SNAM)–Springer*, 8(1): 46:1–46:16. *Impact Factor: 1.61, H-Index: 29* 2018
01. **Fani***, Bagheri. Community Detection in Social Networks. *Encyclopedia of Semantic Computing and Robotic Intelligence–World Scientific*. 1(1): 1630001:1—1630001:8. 2017

Conference Publications

35. Thang, Hosseini, **Fani**; Translative Neural Team Recommendation: From Multilabel Classification to Sequence Prediction. *In the 48th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR)*, Padua, Italy, CORE Rank: A* 2025
34. Waezi*, **Fani**; Enhancing Online Grooming Detection via Backtranslation Augmentation. *In the 31st International Conference on Computational Linguistics (COLING)*, Abu Dhabi, UAE, CORE Rank: A. 2025
33. Barzegar*, Kurepa+, **Fani**; Adaptive Loss-based Curricula for Neural Team Recommendation. *In the 18th International Conference on Web Search and Data Mining (WSDM)*, Hannover, Germany, CORE Rank: A*. 2025
32. Rajaei*, Taheri*, **Fani**; No Query Left Behind: Query Refinement via Backtranslation. *In the 33rd ACM International Conference on Information and Knowledge Management (CIKM)*, Boise, Idaho, USA, CORE Rank: A. 2024
31. Waezi*, Barzegar*, **Fani**; Osprey 🦅: A Reference Framework for Online Grooming Detection via Neural Models and Conversation Features. *In the 33rd ACM International Conference on Information and Knowledge Management (CIKM)*, Boise, Idaho, USA, CORE Rank: A. 2024
30. Moasses*, Rajaei*, Loghmani*, Saeedi, **Fani**; **viva/emme**: Mitigating Gender Bias in Neural Team Recommendation via Female-Advocate Loss Regularization. *In the 5th International Workshop on Algorithmic Bias in Search and Recommendation, Co-located with the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval (BIAS-SIGIR)*, Washington, USA, CORE Rank: A*. 2024
29. Hemmatizadeh*, Wong†, Yu+, **Fani**; LADy 🦊: A Benchmark Toolkit for Latent Aspect Detection Enriched with Backtranslation Augmentation. *In the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR)*, Washington D.C., USA, CORE Rank: A*. 2024
28. Saeedi, Wong†, **Fani**; Collaborative Team Recommendation for Skilled Users: Objectives, Techniques, and New Perspectives. *In the 32nd ACM Conference on User Modeling, Adaptation and Personalization (UMAP)*, Cagliari, Italy. 2024
27. **Fani**, Barzegar*, Dashti*, Saeedi. A Streaming Approach to Neural Team Formation Training. *In the 46th European Conference on Information Retrieval (ECIR)*, Glasgow, Scotland, CORE Rank: A. 2024
26. Ahmed*, Saeedi, **Fani**; Skill Vector Representation Learning for Collaborative Team Recommendation: A Comparative Study. *In the 25th International Web Information Systems Engineering (WISE)*, Doha, Qatar, CORE Rank: B. 2024
25. Rajaei*, Taheri*, **Fani**; Enhancing RAG's Retrieval via Query Backtranslations. *In the 25th International Web Information Systems Engineering (WISE)*, Doha, Qatar, CORE Rank: B. 2024

24. Narayanan*, **Fani**; RePair My Queries: Personalized Query Reformulation via Conditional Transformers. *In the 25th International Web Information Systems Engineering (WISE), Doha, Qatar, CORE Rank: B.* 2024
23. Hemmatizadeh*, Wong†, Yu†, **Fani**. Latent Aspect Detection via Backtranslation Augmentation. *The 32nd ACM International Conference on Information and Knowledge Management (CIKM), University of Birmingham, UK, (3943–3947), CORE Rank: A.* 2023
22. Narayanan*, **Fani**. RePair: An Extensible Toolkit to Generate Large-Scale Datasets via Transformers for Query Refinement. *The 32nd ACM International Conference on Information and Knowledge Management (CIKM), University of Birmingham, UK, (5376–5380), CORE Rank: A.* 2023
21. Loghmani*, **Fani**; Bootless Application of Greedy Re-ranking Algorithms in Fair Neural Team Formation. *The 4th International Workshop on Algorithmic Bias in Search and Recommendation, Co-located with the 45th European Conference on Information Retrieval ((BIAS-ECIR), Dublin, Ireland, (108–118), CORE Rank: A.* 2023
20. Dashti*, Samet, **Fani**. Effective Neural Team Formation via Negative Samples. *The 31st ACM International Conference on Information and Knowledge Management (CIKM), Atlanta, Georgia, USA, (3908–3912), CORE Rank: A.* 2022
19. Dashti*, Saxena*, Patel†, **Fani**. OpeNTF: A Benchmark Library for Neural Team Formation. *The 31st ACM International Conference on Information and Knowledge Management (CIKM), Atlanta, Georgia, USA, (3913–3917), CORE Rank: A.* 2022
18. Ziaenejad*, Samet, **Fani**. SEERa: A Framework for Community Prediction. *The 31st ACM International Conference on Information and Knowledge Management (CIKM), Atlanta, Georgia, USA, (4762–4766), CORE Rank: A.* 2022
17. Rad*, Mitha†, **Fani**, Kargar, Szlichta, Bagheri. PyTFL: A Python-based Neural Team Formation Toolkit. *The 30th ACM International Conference on Information and Knowledge Management (CIKM), Queensland, Australia (4716–4720), CORE Rank: A.* 2021
16. **Fani**, Tamannae*, Zarrinkalam, Samouhi†, Paydar, Bagheri. An Extensible Toolkit of Query Refinement Methods and Gold Standard Dataset Generation. *The 43rd European Conference on IR Research (ECIR), Lucca, Italy (498–503), CORE Rank: A.* 2021
15. Tamannae*, **Fani**, Zarrinkalam, Samouhi†, Paydar, Bagheri. ReQue: A Configurable Workflow and Dataset Collection for Query Refinement. *The 29th ACM International Conference on Information and Knowledge Management (CIKM), Virtual Event, Ireland, (3165–3172), CORE Rank: A.* 2020
14. Rad*, **Fani**, Kargar, Szlichta, Bagheri. Learning to Form Skill-based Teams of Experts. *The 29th ACM International Conference on Information and Knowledge Management (CIKM), Virtual Event, Ireland (2049–2052), CORE Rank: A.* 2020
13. **Fani***, Bagheri, Du. Temporal Latent Space Modeling for Community Prediction. *The 42nd European Conference on IR Research (ECIR), Lisbon, Portugal (745–759), CORE Rank: A.* 2020
12. **Fani***, Mirlohi*, Hosseini*, Herpers. Swim Stroke Analytic: Front Crawl Pulling Pose Classification. *The 2018 IEEE International Conference on Image Processing (ICIP), Athens, Greece, (4068–4072), CORE Rank: B.* 2018
11. Khodabakhsh*, **Fani***, Zarrinkalam*, Bagheri. Predicting Personal Life Events from Streaming Social Content. *The 27th ACM International Conference on Information and Knowledge Management (CIKM), Turin, Italy (1751–1754), CORE Rank: A.* 2018
10. Arabzadeh*, **Fani***, Zarrinkalam*, Navivalat†, Bagheri. Causal Dependencies for Future Interest Prediction on Twitter. *The 27th ACM International Conference on Information and Knowledge Management (CIKM), Turin, Italy (1511–1514), CORE Rank: A.* 2018
09. **Fani***, Bashari*, Zarrinkalam*, Bagheri, Al-Obeidat. Stopword Detection for Streaming Content. *The 40th European Conference on IR Research (ECIR), Grenoble, France (737–743), CORE Rank: A.* 2018
08. **Fani***, Bagheri, Du. Temporally Like-minded User Community Identification through Neural Embeddings. *The 26th ACM on Conference on Information and Knowledge Management (CIKM), Singapore, Singapore (577–586), CORE Rank: A.* 2017
07. Zarrinkalam*, **Fani***, Bagheri, Kahani. Predicting Users' Future Interests on Twitter. *The 39th European Conference on IR Research (ECIR), Aberdeen, United Kingdom (464–476), CORE Rank: A.* 2017
06. **Fani***, Zarrinkalam*, Bagheri, Du. Time-Sensitive Topic-Based Communities on Twitter. *The 29th Canadian Conference on Artificial Intelligence (Canadian AI), Victoria, Canada (192–204.)* 2016
05. Zarrinkalam*, **Fani***, Bagheri, Kahani. Inferring Implicit Topical Interests on Twitter. *The 38th European Conference on IR Research (ECIR), Padua, Italy (479–491), CORE Rank: A.* 2016
04. **Fani***. Temporal Formation and Evolution of Online Communities. *The 9th ACM International Conference on Web Search and Data Mining (WSDM), San Francisco, United States (717), CORE Rank: A*.* 2016
03. Zarrinkalam*, **Fani***, Bagheri, Kahani, Du. Semantics-Enabled User Interest Detection from Twitter. *IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT), Singapore, Singapore (469–476), CORE Rank: B.* 2015
02. Feng*, **Fani***, Bagheri, Jovanovic. Lexical Semantic Relatedness for Twitter Analytics. *The 27th IEEE International Conference on Tools with Artificial Intelligence (ICTAI), Vietri sul Mare, Italy (202–209), CORE Rank: B.* 2015
01. **Fani***, Bagheri. An Ontology for Describing Security Events. *The 27th International Conference on Software Engineering and Knowledge Engineering (SEKE), Pittsburgh, United States (455–460), CORE Rank: B.* 2015

01. Nguyen, **Fani***, Bagheri, Titericz. Bagging Model for Product Title Quality with Noise. *The 26th ACM International Conference on Information and Knowledge Management (CIKM AnalytiCup'17.)* 2017

Tutorials & Talks

06. Saeedi, Wong†, **Fani**; Bridging Historical Subgraph Optimization and Modern Graph Neural Network Approaches in Team Recommendation. *In the 18th ACM International Conference on Web Search and Data Mining (WSDM), CORE Rank: A*, Hannover, Germany.* 2025

05. Saeedi, Wong†, **Fani**; Paradigm Shifts in Team Recommendation: From Historical Subgraph Optimization to Emerging Graph Neural Network. *In the 2nd International ACM SIGIR Conference on Information Retrieval in the Asia Pacific (SIGIR-AP), Tokyo, Japan.* 2024

04. Saeedi, Wong†, **Fani**; Collaborative Team Recommendation for Skilled Users: Objectives, Techniques, and New Perspectives. *In the 32nd ACM Conference on User Modeling, Adaptation and Personalization (UMAP), Cagliari, Italy.* 2024

03. Zarrinkalam, **Fani**, Bagheri. Tutorial on Extracting, Mining and Predicting Users' Interests from Social Networks. *The 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval, CORE Rank: A*, Paris, France.* 2019

02. Zarrinkalam, **Fani**, Bagheri. Tutorial on Social User Interest Mining: Methods and Applications. *The 25th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD), CORE Rank: A*, Anchorage, AK, United States.* 2019

01. **Fani**, Swim Stroke Analytic: Front Crawl Pulling Pose Classification. *A.I. Socratic Circles (#AISC), <https://aisc.ai.science/>, Toronto, Canada, <https://youtu.be/pxzZalBla6U>* 2019

Conference Attended

14. The 18th ACM International Conference on Web Search and Data Mining (WSDM), Hannover, Germany. March 2025

13. The 31st International Conference on Computational Linguistics (COLING), Abu Dhabi, UAE. Jan. 2025

12. The 2nd ACM SIGIR Conference on Information Retrieval in the Asia Pacific (SIGIR-AP), Tokyo, Japan. Dec. 2024

11. The 25th International Web Information Systems Engineering conference (WISE), Doha, Qatar. Dec. 2024

10. The 32nd ACM International Conference on User Modeling, Adaptation and Personalization (UMAP), Cagliari, Italy. July 2024

09. The 46th European Conference on Information Retrieval (ECIR), Glasgow, Scotland. March 2024

08. The 43rd European Conference on Information Retrieval (ECIR), Lucca, Tuscany, Italy, Online. April 2021

07. The 42nd European Conference on Information Retrieval (ECIR), Lisbon, Portugal, Online. April 2020

06. The 27th ACM International Conference on Information and Knowledge Management (CIKM), Turin, Italy. Oct. 2018

05. The 26th ACM International Conference on Information and Knowledge Management (CIKM), Singapore. Nov. 2017

04. The 29th Canadian Conference on Artificial Intelligence, CAIAC, Victoria, BC. June 2016

03. The 9th ACM International Conference on Web Search and Data Mining (WSDM), San Francisco, USA. Feb. 2016

02. International Conference on Tools with Artificial Intelligence (ICTAI), Vietri sul Mare, Italy. Nov 2015

01. The 27th International Conference on Software Engineering and Knowledge Engineering (SEKE), Pittsburgh, USA July 2015

SUPERVISION

<https://fani-lab.github.io>

Youth Outreach

7. Pouya Samiee, Assumption College Catholic High School, Grade 11, *LADy: Benchmark Dataset for Latent Aspect Detection* S2024

6. Qinfeng (Alice) Yu, Vincent Massey Secondary School, Grade 11, Research Assistant, *NeuCG: Neural Computational Geometry* S2022 – S2023

5. Marco Kurepa, Vincent Massey Secondary School, Grade 12, *OpeNTF: Neural Team Formation* S2023

4. Savio Joseph Benher, Vincent Massey Secondary School, Grade 12, *RePair: Benchmark Datasets for Query Refinement* S2023

3. Isaac Jiang, Vincent Massey Secondary School, Grade 12, *ReQue: Refining Queries* S2023

2. Sara Gebara, Assumption College Catholic High School, Grade 11, *ReQue: Refining Queries* S2023

1. Sehar Sidhu, Bellewood Public School, Grade 7, **Silver Medalist, Youth Science Canada**, *Chat-GPT Is Everywhere: Is This AI Chatbot a Friend or a Foe?* S2023

Post-doctorate & Visiting Scholar

1. Mahdis Saeedi, Assistant Professor in Mathematics, Ershad Damavand, Iran, Visiting Scholar, Research Associate Jun 2022 – May 2025

Doctorate

2. Zahra Taherikhonakdar, *Synergistic Balance of Social Context for Information Retrieval*, University of Windsor, PI F2021 – Present

1. Kia Jahanbin, *Forecasting Cryptocurrency Prices via Social Sentiment Analysis*, University of Yazd, Iran, Co-PI F2022 – F2024

Master's

13. Kap Thang, *Graph Neural Team Formation*, University of Windsor, PI S2024 – Present

12. Md Jamil Ahmed, *Graph Neural Team Recommendation*, University of Windsor, PI F2023 – F2024

11. Delaram Rajaei, *No Query Left Behind: Query Refinement via Language Backtranslation*, University of Windsor, PI S2023 – S2024

09. Hamed Waezi, *Osprey: Online Predatory Conversation Detection*, University of Windsor, PI W2023 – S2024

08. Reza Barzegar, *Dynamic Loss-Based Curriculum Learning on Neural Team Formation*, **Governor' General Gold Medal Nominee**, University of Windsor, PI W2023 – F2024

07. Farinam Hemmatizadeh, *LADy: Latent Aspect Detection via Backtranslation Augmentation*, University of Windsor, PI F2022 – W2023

06. Hamed Loghmani, *Adila: Fairness-informed Collaborative Team Formation*, University of Windsor, PI F2022 – F2023

05. Roonak Moasses, *viva/emme: Mitigating Gender Bias in Neural Team Recommendation via Female-Advocate Loss Regularization*, University of Windsor, PI F2021 – S2024

04. Karan Saxena, *Spatial Team Formation Using Graph Neural Networks*, University of Windsor, PI W2021 – F2023

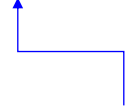
03. Yogeswar Lakshmi Narayanan, *Matches Made in Heaven or Somewhere: Personalized Query Refinement Gold Standard Dataset Generation using Transformers*, University of Windsor, PI F2021 – S2023

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| 02. Arman Dashti, <i>OpeNTF: Temporal Neural Team Formation with Negative Sampling</i> , Governor' General Gold Medal Nominee , University of Windsor, PI | W2021 – F2022 |
| 01. Muhammad Moeed Khalid, <i>Online Predatory Conversation Detection</i> , University of Windsor, Co-PI | F2020 – F2022 |
| Research Assistant | |
| 15. Anas Mohammad, BSc, <i>OpeNTF: A Benchmark Dataset for Neural Team Recommendation</i> | F2024 – Present |
| 14. Tansh Koul, BSc, <i>RePair: Query Refinement</i> | W2024 – Present |
| 13. Arunesh Choudhary, BSc, <i>Osprey: Online Predatory Conversation Detection</i> | F2024 – Present |
| 12. Calder Johnson, BSc, <i>LADy: Benchmark Dataset for Latent Aspect Detection in Product Reviews</i> | F2024 – Present |
| 11. Parmida Khashayar, BSc, <i>LADy: Benchmark Dataset for Latent Aspect Detection in Product Reviews</i> | S2024 – Present |
| 10. Christine Wong, BSc, Outstanding Scholar , <i>SEERa: A Framework for Community Prediction + LADy: Latent Aspect Detection in Product Reviews</i> | F2022 – Present |
| 09. Gabriel Rueda, BSc, Outstanding Scholar , <i>OpeNTF + Adila: Fairness-informed Neural Team Formation</i> | S2022 – W2024 |
| 08. Mukesh Reddy Somireddy, BSc, <i>RePair: Benchmark Datasets for Query Refinement</i> | W2023 – W2024 |
| 07. Edwin Paul, BSc, <i>Adila: Fairness-informed Neural Team Formation</i> | S2023 – W2024 |
| 06. Arfaa Rashid, BSc, Outstanding Scholar , <i>LADy: Latent Aspect Detection in Product Reviews</i> | S2022 – F2023 |
| 05. Mohamad Hashemi, MSc, <i>NeuCG: Neural Computational Geometry</i> | F2022 – W2023 |
| 04. Ehsan Salimi, BSc, <i>Online Predatory Conversation Detection</i> | F2022 – W2023 |
| 03. Sharjeel Mustafa, BSc, Outstanding Scholar , <i>SEERa: A Framework for Community Prediction</i> | F2022 – W2023 |
| 02. Sara Salamaty Taba, Master of Applied Computing, <i>Online Predatory Conversation Detection</i> | F2021 – F2021 |
| 01. Dhvani Nileschkumar Patel, BSc, <i>Neural Team Formation</i> | S2021 – W2022 |

Bachelor's Honors

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| 11. Gabriel Rueda, <i>Integration of OpeNTF + Adila + OpenGNTF</i> | W2025 – Present |
| 10. Ahmad Munim, <i>Benchmark Dataset for Team Refinement</i> | F2024 – Present |
| 09. Ali Alsalkhadi, Mahmoud Alkwisem, <i>Arabic Benchmark Dataset for Latent Aspect Detection</i> | F2024 – W2025 |
| 08. Richard Kenny, <i>Team Formation as Bundle Recommendation</i> | W2024 – F2024 |
| 07. Justin Bornais, Nick Boisclair, Matthew Connell, <i>Accessible AI Assistant</i> | F2023 – W2024 |
| 06. Brandon Klassen, <i>Personalized Query Refinement</i> | S2022 – F2022 |
| 05. Charles Corro, Michele Catani, Daljeet Singh, <i>Neural Computational Geometry</i> | W2022 – F2022 |
| 04. Emily Boice, Bryce Hughson, Mohammad Elias Khan, <i>Personalized Query Refinement</i> | F2021 – W2022 |
| 03. Xiancheng Yan, Zixun Wang, Dongli Zhu, <i>Neural Machine Translation for Team Formation</i> | F2021 – W2022 |
| 02. Lincoln Dube, Jalal Shabo, Matthew Vojvodin, An Le, <i>Topic Tracking in Online Social Networks</i> | W2021 – F2021 |
| 01. Yang Wang, Jinhua Long, Ritu Ge, Juntao Ma, <i>Topic Tracking in Online Social Networks</i> | F2020 – W2021 |

TEACHING

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| 13. Topics in AI: Graph Neural Network, COMP8720, University of Windsor, Canada | F24, W25 |
| 12. System Programming (The Unix Reloaded), COMP2560, University of Windsor, Canada | F21, 22, 23, 24, 25 |
| 11. Natural Language Processing & Understanding (NLP for SNA), COMP8730, University of Windsor, Canada | W21,23, 24, 25, 26 |
| 10. Computer Architecture I: Digital Design (A Digital Odyssey), COMP2650, University of Windsor, Canada | F20, 23, 24, W21,25 |
| 09. Database Management Systems (2022: A Data Odyssey), COMP3150, University of Windsor, Canada | Fall 2023 |
| 08. Fundamentals of Data Engineering (2019: A Data Odyssey), COE848, Ryerson University, Canada | Winter 2019 |
| 07. Design and Analysis of Algorithms, Payame Noor University, Iran | Winter 2014 |
| 06. Data Structure, Payame Noor University, Iran |  |
| 05. Logical Circuits (Digital Design), Payame Noor University, Iran | |
| 04. Computer Architecture, Payame Noor University, Iran | |
| 03. Operating Systems, Payame Noor University, Iran | |
| 02. Software Engineering (Software Test), Payame Noor University, Iran | Winter 2009 |
| 01. Information Store and Retrieval (File Structure), Islamic Azad University, Iran | Fall 2009 |

Student AWARD

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|---|------------|------------|
| 36. TA Excellence Award , Lynn Hajj Hassan (BSc), Faculty of Science, University of Windsor. | CAD\$0,500 | April 2025 |
| 35. Travel Award , Md Jamil Ahmed (MSc), Faculty of Graduate Studies (\$750), University of Windsor. | CAD\$0,750 | Dec. 2024 |
| 34. Travel Award , Zahra Taheri (PhD), Faculty of Graduate Studies (\$500), University of Windsor. | CAD\$0,750 | Dec. 2024 |
| 33. Travel Award , Hamed Waezi (MSc), School of Computer Science (\$500) + Faculty of Science (\$378.55) + Faculty of Graduate Studies (\$500), University of Windsor. | CAD\$1,379 | Nov. 2024 |
| 32. Travel Award , Delaram Rajaei (MSc), School of Computer Science (\$500) + Faculty of Science (\$378.55) + Faculty of Graduate Studies (\$500), University of Windsor. | CAD\$1,379 | Nov. 2024 |
| 31. Travel Award , Christine Wong (BSc), Faculty of Science (\$500), University of Windsor. | CAD\$0,500 | June 2024 |
| 30. UMAP24 Registration Support , Christine Wong (BSc), The 32nd ACM Conference on User Modeling, Adaptation and Personalization, (UMAP), Cagliari, Italy. | €0,430 | July 2024 |
| 29. SIGIR24 Travel Grant , Christine Wong (BSc), The 47 th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR), Washington D.C., USA. | US\$1,400 | April 2024 |
| 28. TA Excellence Award , Christine Wong (BSc), Faculty of Science, University of Windsor. | CAD\$0,500 | Mar. 2024 |
| 27. Entrance Scholarship , Md Jamil Ahmed (MSc), Faculty of Graduate Studies, University of Windsor. | CAD\$7,500 | Dec. 2023 |
| 26. Entrance Scholarship , Md Jamil Ahmed (MSc), School of Computer Science, University of Windsor. | CAD\$4,000 | Dec. 2023 |

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| 25. Travel Award , Yogeswar Lakshmi (MSc), School of Computer Science (\$750) + Faculty of Science (\$500) + Faculty of Graduate Studies (\$750), University of Windsor. | CAD\$2,000 | Oct. 2023 |
| 24. Travel Award , Farinam Hemmatizadeh (MSc), School of Computer Science (\$750) + Faculty of Science (\$500) + Faculty of Graduate Studies (\$750), University of Windsor. | CAD\$2,000 | Oct. 2023 |
| 23. Travel Award , Hamed Loghmani (MSc), School of Computer Science (\$750) + Faculty of Science (\$500) + Faculty of Graduate Studies (\$750), University of Windsor. | CAD\$2,000 | July 2023 |
| 22. Excellence Award – Silver , Sehar Sidhu (High Schooler), Youth Science Canada. | | May 2023 |
| 21. Entrance Scholarship , School of Computer Science, Delaram Rajaei (MSc), University of Windsor. | CAD\$4,000 | May 2023 |
| 20. Entrance Scholarship , Faculty of Graduate Studies, Delaram Rajaei (MSc), University of Windsor. | CAD\$7,500 | May 2023 |
| 19. Silver Medalist, UWill Discover , Christine Wong (BSc), Farinam Hemmatizadeh (MSc), University of Windsor. | CAD\$0,300 | May 2023 |
| 18. Vector Institute Scholarship , Hamed Waezi (MSc), University of Windsor. | CAD\$17,500 | Jan. 2023 |
| 17. Entrance Scholarship , Reza Barzegar (MSc), University of Windsor. | CAD\$4,000 | Jan. 2023 |
| 16. 2nd Place, IDeA Competition , Farinam Hemmatizadeh (MSc), University of Windsor. | CAD\$0,250 | Jan. 2023 |
| 15. GA Educational Practice , Ala Alam Falaki (PhD), Centre for Teaching and Learning (CTL), University of Windsor. | | Mar. 2023 |
| 14. GA Excellence Award , Ala Alam Falaki (PhD), Faculty of Science, University of Windsor. | CAD\$0,500 | Mar. 2023 |
| 13. Entrance Scholarship , Hamed Loghmani (MSc), School of Computer Science, University of Windsor. | CAD\$4,000 | Sept. 2022 |
| 12. Entrance Scholarship , Farinam Hemmatizadeh (MSc), School of Computer Science, University of Windsor. | CAD\$4,000 | Sept. 2022 |
| 11. Entrance Scholarship , Farinam Hemmatizadeh (MSc), Faculty of Graduate Studies, University of Windsor. | CAD\$7,500 | Sept. 2022 |
| 10. Travel Award , Soroush Ziaieinejad (PhD), School of Computer Science (\$750) + Faculty of Science (\$500) + Faculty of Graduate Studies (\$750), University of Windsor. | CAD\$2,000 | Oct. 2022 |
| 09. Travel Award , Arman Dashti (MSc), School of Computer Science (\$750) + Faculty of Science (\$500) + Faculty of Graduate Studies (\$750), University of Windsor. | CAD\$2,000 | Oct. 2022 |
| 08. SIGIR22 Travel , Arman Dashti (MSc), The 31 st ACM International Conference on Information & Knowledge Management (CIKM), Atlanta, Georgia, USA. | US\$0,850 | Aug. 2022 |
| 07. Gold Medalist, UWill Discover , Dhvani Nileshkumar Patel (BSc), University of Windsor. | CAD\$0,300 | Mar. 2022 |
| 06. Best Research , School of Computer Science, Arman Dashti (MSc), Karan Saxena (MSc), University of Windsor. | CAD\$0,300 | Nov. 2021 |
| 05. Entrance Scholarship , Yogeswar Lakshmi (MSc), School of Computer Science, University of Windsor. | CAD\$3,000 | Sept. 2021 |
| 04. Entrance Scholarship , Yogeswar Lakshmi (MSc), Faculty of Graduate Studies, University of Windsor. | CAD\$7,500 | Sept. 2021 |
| 03. Entrance Scholarship , Arman Dashti (MSc), School of Computer Science, University of Windsor. | CAD\$3,000 | Sept. 2021 |
| 02. Entrance Scholarship , Arman Dashti (MSc), Faculty of Graduate Studies, University of Windsor. | CAD\$7,500 | Sept. 2021 |
| 01. Entrance Scholarship , Zahra Taheri (PhD), School of Computer Science, University of Windsor. | CAD\$7,500 | Sept. 2021 |

AWARD & NOMINATIONS

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| 17. Roger Thibert Teaching Excellence Award , Faculty of Science, University of Windsor. | Nominated | 2024 |
| 16. Research Excellence & Impact Award , Faculty of Science, University of Windsor. | Nominated | 2024 |
| 15. Student Mentor Award , Faculty of Science, University of Windsor. | Nominated | 2024 |
| 14. Travel Grant , Center for Teaching and Learning (CTL), University of Windsor, Canada, <i>The 32nd ACM Conference on User Modeling, Adaptation and Personalization, (UMAP), Cagliari, Italy.</i> | CAD\$0,500 | April 2024 |
| 13. Knowledge Exchange-Travel Grant , University of Windsor, Canada, <i>The 46th European Conference on Information Retrieval (ECIR), Glasgow, Scotland.</i> | CAD\$1,000 | March 2024 |
| 12. Research Excellence & Impact Award , Faculty of Science, University of Windsor. | Nominated | 2023 |
| 11. Student Mentor Award , Faculty of Science, University of Windsor. | Nominated | 2023 |
| 10. Student Mentor Award , Faculty of Science, University of Windsor. | Nominated | 2022 |
| 09. Student Pitch Prize , University of New Brunswick, Canada, <i>AI-Powered Swim Stroke Analytics, 3rd Place.</i> | CAD\$0,500 | March 2019 |
| 08. Travel Grant , The 26th ACM International Conference on Information and Knowledge (CIKM), Singapore. | SGD\$2,000 | Nov. 2017 |
| 07. AnalytiCup Prize , The 26th ACM International Conference on Information and Knowledge (CIKM), Singapore, <i>Product Title Quality Challenge, 2nd Place, Lazada Singapore, Participants: 169.</i> | SGD\$2,000 | Nov. 2017 |
| 06. Student Travel Award , Faculty of Computer Science, University of New Brunswick, Canada, <i>The 26th ACM International Conference on Information and Knowledge (CIKM), Singapore.</i> | CAD\$0,500 | Nov. 2017 |
| 05. Student Travel Award , The 29th Canadian Conference on Artificial Intelligence (AI2016), BC, Canada. | CAD\$0,500 | June 2016 |
| 04. Student Travel Award , Faculty of Computer Science, University of New Brunswick, Canada, <i>The 29th Canadian Conference on Artificial Intelligence (AI2016), BC, Canada.</i> | CAD\$0,800 | June 2016 |
| 03. Student Travel Grant , The 9th ACM International Conference on Web Search and Data Mining (WSDM), US. | US\$0,270 | Feb. 2016 |
| 02. Student Travel Award , Faculty of Computer Science, University of New Brunswick, Canada, <i>The 27th International Conference on Tools with Artificial Intelligence (ICTAI'15), Italy.</i> | CAD\$1,000 | Nov. 2015 |
| 01. International Differential Fees Award , Faculty of Computer Science, University of New Brunswick, Canada, <i>CAD\$4,212.00 for three years.</i> | CAD\$12,636 | May 2014 |

SERVICE

Natural Sciences and Engineering Research Council of Canada (NSERC)

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| 2. Reviewer for Discovery Grant | Nov 2021 – Present |
| 1. Reviewer for Idea to Innovation (I2I) | Oct 2021 – Present |

University of Windsor

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| 24. Internal Reader, PhD Thesis Committee, Mustafa Mohammadi Gharasuei, Optimizing Graph Neural Networks in Conjunction with Voronoi Diagrams and the Delaunay Tessellation. | F2024 – Present |
| 23. Internal Reader, PhD Thesis Committee, Danial Ebrat, Lusifer: LLM-based User SIMulated Feedback Environment for online Recommender systems. | S2024 – Present |
| 22. External Reader, MSc Thesis Committee, Almiqdad Elzein, Master of Applied Science in Electrical and Computer Engineering, Faculty of Engineering, University of Windsor. | S2024 – W2025 |
| 21. Internal Reader, MSc Thesis Committee, Bishwadeep Sikder, <i>Impact of Loss Functions in Fine-Tuning LLMs for Improving Sentence Embeddings</i> . | S2024 – F2024 |
| 20. Internal Reader, MSc Thesis Committee, Sudipta Dhar, <i>BERT based Sequential Mining for Richer Contextual Semantics E-commerce Recommendation (BERT-SEMSRec)</i> . | S2024 – F2024 |
| 19. Award Committee, School of Computer Science, University of Windsor. | 2024 – Present |
| 18. PhD Admission Committee, School of Computer Science, University of Windsor. | 2024 – Present |
| 17. School of Computer Science Representative, Faculty of Science, University of Windsor. | 2023 |
| 16. Selection Committee, School of Computer Science, University of Windsor, Posting#2023-13-61 Server and Network Administrator. | 2023 |
| 15. Selection Committee, School of Computer Science, University of Windsor, Posting# 2023-13-40 Systems Analyst. | 2023 |
| 14. Appointment Committee, School of Computer Science, University of Windsor. | 2023 |
| 13. MSc Admission Committee, School of Computer Science, University of Windsor. | 2021 – 2023 |
| 12. Councilor, Faculty of Science Representative, Windsor University Faculty Association (WUFA). | 2023 – Present |
| 11. Ad Hoc Committee, Windsor University Faculty Association (WUFA). | 2023 |
| 10. Windsor University Faculty Association (WUFA). | 2020 – Present |
| 09. Internal Reader, MSc Thesis Committee, Sumisha Surendran, <i>Plagiarism Detection in Source Code using Machine Learning</i> . | S2023 – S2024 |
| 08. Internal Reader, MSc Thesis Committee, Mrulay Mistry, <i>GraphWords: Enhancing Word Vectors using Graphs</i> . | F2022 – S2023 |
| 07. Chair, PhD Thesis Defense, Anita Toronyi, <i>Learning to Belong: An Autoethnography on Acculturation and Identity Negotiations, Faculty of Education</i> . | Aug 2023 |
| 06. Internal Reader, MSc Thesis Committee, Priyanka Anilkumar Motwani, <i>Discovering High-Profit Product Feature Groups by Mining High Utility Sequential Patterns from Feature-Based Opinions</i> . | S2021 |
| 05. Chair, MSc Thesis Defense, Yakin Dipakbhai Patel, <i>DTA+VAE: Drug Target Affinity prediction with SELFIES String via Variational AutoEncoder and Transformer6 Protein Model</i> . | 2023 |
| 04. Chair, MSc Thesis Defense, Farbod Behnaminia, <i>Cross-Blockchain Technology for an Interoperable and Scalable Digital Contact Tracing</i> . | 2023 |
| 03. Chair, MSc Thesis Defense, Yash Trivedi, <i>Lung tumor segmentation using superpixel based Hierarchical clustering and Multilevel thresholding</i> . | June 2022 |
| 02. Chair, MSc Thesis Defense, Steffie Maria Stephen, <i>Vehicle Authentication in Vehicular Ad-hoc Network using RSU Based Approach</i> . | April 2021 |
| 01. Chair, MSc Thesis Defense, Saiteja Danda, <i>Identification of Cell-types in scRNA-seq data via Enhanced Local Embedding and Clustering</i> . | April 2021 |

Academic Society

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| 5. The ACM Special Interest Group on Information Retrieval (SIGIR) | Sept 2019 – Present |
| 4. The ACM Special Interest Group on Knowledge Discovery and Data Mining (SIGKDD) | Sept 2019 – Present |
| 3. The ACM Special Interest Group on Management of Data (SIGMOD) | Sept 2019 – Present |
| 2. Professional Member, Association for Computing Machinery (ACM) | Sept 2019 – Present |
| 1. Student Member, Association for Computing Machinery (ACM) | Sept 2018 – Aug 2019 |

Session Chairs

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| 3. The 44 th ACM SIGIR Conference on Research and Development in Information Retrieval, CORE Rank: A* | July 2021 |
| 2. The 29 th ACM Conference on Information and Knowledge Management (CIKM), Resource Track, CORE Rank: A | Oct 2021 |
| 1. IEEE International Conference on Tools with Artificial Intelligence (ICTAI), CORE Rank: B | Nov 2015 |

Program Committee Member

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| 14. Association for Computational Linguistics (ACL), CORE Rank: A* | 2020 – 2024 |
| 13. International Joint Conference on Artificial Intelligence (IJCAI), CORE Rank: A* | 2023 – 2025 |
| 12. European Conference on Information Retrieval (ECIR) Long & Short Paper Track, CORE Rank: A | 2019 – 2025 |
| 11. ACM SIGIR Conference on Research and Development in Information Retrieval, Long & Short & Reproducibility Paper Track, CORE Rank: A* | 2020 – 2025 |
| 10. ACM SIGKDD Conference on Knowledge Discovery and Data Mining, Applied Data Science Track, CORE Rank: A* | 2021 – 2024 |
| 09. ACM International Conference on Information and Knowledge Management (CIKM), Long, Short & Resource Paper Track, CORE Rank: A | 2020 – 2025 |
| 08. ACM International Conference on Web Search and Data Mining (WSDM), CORE Rank: A* | 2021 – 2025 |
| 07. Empirical Methods in NLP (EMNLP), Computational Social Science and Social Media, Question Answering, Language Modeling, Machine Learning for NLP, and Interpretability, Interactivity & Analysis of Models for NLP Tracks, CORE Rank: A | 2020 – 2023 |
| 06. Canadian Conference on Artificial Intelligence (Canadian AI) | 2021 – 2024 |
| 05. The North American Chapter of the Association for Computational Linguistics (NAACL), CORE Rank: A | 2021 – 2024 |
| 04. International AAAI Conference on Web and Social Media (ICWSM), CORE Rank: A | 2021 – 2023 |
| 03. ACM International Conference on Recommender Systems (RecSys) | 2022, 2025 |
| 02. European Chapter of the Association for Computational Linguistics (EACL), CORE Rank: A | 2022 – 2023 |
| 01. International Learning Analytics & Knowledge Conference (LAK), Full and Short Research Papers Track, CORE Rank: A | 2016 – 2018 |

Review Duties

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| 8. ACM Transactions on Information Systems (TOIS), Impact Factor: 6.06 |
| 7. Information Processing & Management (IP&M), Impact Factor: 6.222 |

6. Expert Systems with Applications, Impact Factor: 6.954
5. Artificial Intelligence Review, Impact Factor: 5.747
5. Transaction on Knowledge Discovery from Data (**TKDD**), Impact Factor: 4.40
4. IEEE Transactions on Computational Social Systems, Impact Factor: 3.29
3. Information Systems, Impact Factor: 2.466
2. IEEE Access, Impact Factor: 4.098
1. Personal and Ubiquitous Computing, Springer Nature, Impact Factor: 2.0

HOBBY

Art: Cinema, Ballpoint Pen Painting, Charcoal Painting

Sport: Swimming, Cycling, Soccer, Wrestling