**HOSSEIN FANI (he/him)**

Office 5111 Lambton Tower, +1 519 2533000 x2999, hfani@windsor.ca, https://cs.uwindsor.ca/~hfani

Fani’s Lab*!* 118 & 215 Essex Hall, +1 519 2533000 x3587, https://fani-lab.github.io

The 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, *Tenure Track* | July 2020 – | Present |
| 5. **Postdoctoral Research Fellow***,* Engineering and Architectural Science, Toronto Metropolitan Univ., Canada.  *Team Lead in NSERC Industrial Research Chair on Social Media Analytics* | 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. *Customer Management System, Customer Credit Check, RSA, DB2, Java* | May 2013 – | April 2014 |
| 1. **Software Developer & Configuration Manager**, System Group, Iran*. Human Capital Management System, SQL Server, ASP.Net, C#, Team Foundation Server* | July 2010 – | Mar 2013 |

**\_SUPERVISION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_https://fani-lab.github.io\_**

**Youth Outreach**

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| 6. Marco Kurepa, Vincent Massey Secondary School, Grade 12, *OpeNTF: Neural Team Formation* | S2023 |
| 5. Qinfeng (Alice) Yu, Vincent Massey Secondary School, Grade 11, Research Assistant, *NeuCG:* *Neural Computational Geometry* | S2022 – 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**

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| 2. Amirreza Ershad, MSc in Mathematics, Iran, Visiting Scholar, Research Associate | Jan 2024 – Present |
| 1. Mahdis Saeedi, Assistant Professor in Mathematics, Ershad Damavand, Iran, Visiting Scholar, Research Associate | Jun 2022 – Present |

**Doctorate**

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| 3. Kia Jahanbin, *Forecasting Cryptocurrency Prices via Social Sentiment Analysis,* University of Yazd, Iran, Co-PI | F2022 – | Present |
| 2. Soroush Ziaeinejad, SEERa: *User Community Prediction for Social Information Retrieval*, University of Windsor, PI | F2021 – | Present |
| 1. Zahra Taherikhonakdar, *Synergistic Balance of Social Context for Information Retrieval*, University of Windsor, PI | F2021 – | Present |

**Master’s**

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| 13. Sepide Ahmadian, *Query Refinement*, University of Windsor, PI | S2024 – | Future |
| 12. Md Jamil Ahmed, *End-2-End Graph Neural Network for Team Formation,* University of Windsor, PI | F2023 – | Present |
| 11. Delaram Rajaei, *Query Refinement,* University of Windsor, PI | S2023 – | Present |
| 09. Hamed Waezi, *Osprey: Online Predatory Conversation Detection,* University of Windsor, PI | W2023 – | Present |
| 08. Reza Barzegar, *Dynamic Loss-Based Curriculum Learning on Neural Team Formation,* University of Windsor, PI | W2023 – | Present |
| 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, *Bias in Team Formation Algorithms*, University of Windsor, PI | F2021 – | Present |
| 04. Karan Saxena, *Spatial Team Formation Using Graph Neural Networks*, University of Windsor, PI | W2021 – | F2023 |
| 03. Yogeswar Lakshmi Narayanan, *Matched Made in Heaven or Somewhere: Personalized Query Refinement Gold Standard Dataset Generation using Transformers*, University of Windsor, PI | F2021 – | S2023 |
| 02. Arman Dashti, *OpeNTF: Temporal Neural Team Formation with Negative Sampling*, **Governor’ General Gold Medal Nominee**, University of Windsor, PI | W2021 – | F2022 |
| 01. Muhammad Moeed Khalid, *Online Predatory Conversation Detection*, University of Windsor, Co-PI | F2020 – | F2022 |

**Research Assistant**

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| 10. Christine Wong, BSc, **Outstanding Scholar***, SEERa: A Framework for Community Prediction + LADy: Latent Aspect Detection in Product Reviews* | F2022 – | W2024 |
| 09. Gabriel Rueda, BSc, **Outstanding Scholar***, OpeNTF + Adila: Fairness-informed Neural Team Formation* | S2022 – | W2024 |
| 08. Mukesh Reddy Somireddy, BSc, *RePair: Benchmark Datasets for Query Refinement* | W2023 – | W2024 |
| 07. Edwin Paul, BSc, *Adila: Fairness-informed Neural Team Formation* | S2023 – | W2024 |
| 06. Arfaa Rashid, BSc, **Outstanding Scholar***, LADy: Latent Aspect Detection in Product Reviews* | S2022 – | F2023 |
| 05. Mohamad Hashemi, MSc, *NeuCG: Neural Computational Geometry* | F2022 – | W2023 |
| 04. Ehsan Salimi, BSc, *Online Predatory Conversation Detection* | F2022 – | W2023 |
| 03. Sharjeel Mustafa, BSc, **Outstanding Scholar***, SEERa: A Framework for Community Prediction* | F2022 – | W2023 |
| 02. Sara Salamati Taba, Master of Applied Computing, *Online Predatory Conversation Detection* | F2021 – | F2021 |
| 01. Dhwani Nileshkumar Patel, BSc, *Neural Team Formation* | S2021 – | W2022 |

**Bachelor’s Honors**

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| 8. Richard Kenny, *Team Formation as Bundle Recommendation* | W2024 – | S2024 |
| 7. Justin Bornais, Nick Boisclair, Matthew Connell, *Accessible AI Assistant* | F2023 – | W2024 |
| 6. Brandon Klassen*, Personalized Query Refinement* | S2022 – | F2022 |
| 5. Charles Corro, Michele Catani, Daljeet Singh, *Neural Computational Geometry* | W2022 – | F2022 |
| 4. Emily Boice, Bryce Hughson, Mohammad Elias Khan, *Personalized Query Refinement* | F2021 – | W2022 |
| 3. Xiancheng Yan, Zixun Wang, Dongli Zhu, *Neural Machine Translation for Team Formation* | F2021 – | W2022 |
| 2. Lincoln Dube, Jalal Shabo, Matthew Vojvodin, An Le, *Topic Tracking in Online Social Networks* | W2021 – | F2021 |
| 1. Yang Wang, Jinhua Long, Ritu Ge, Juntao Ma, *Topic Tracking in Online Social Networks* | F2020 – | W2021 |

**\_Student AWARD\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 19. **Entrance Scholarship,** Faculty of Graduate Studies, Md Jamil Ahmed, University of Windsor, MSc | CAD$7,500 | Dec 2023 |
| 18. **Entrance Scholarship,** School of Computer Science, Md Jamil Ahmed, University of Windsor, MSc | CAD$4,000 | Dec 2023 |
| 17. **Excellence Award – Silver**, Youth Science Canada, Sehar Sidhu, High Schooler |  | May 2023 |
| 16. **Entrance Scholarship,** School of Computer Science, Delaram Rajaei, University of Windsor, MSc | CAD$4,000 | May 2023 |
| 15. **Entrance Scholarship,** Faculty of Graduate Studies, Delaram Rajaei, University of Windsor, MSc | CAD$7,500 | May 2023 |
| |  |  |  | | --- | --- | --- | | 14. **Silver Medalist, UWill Discover,** Christine Wong (BSc), Farinam Hemmatizadeh (MSc), University of Windsor | CAD$0,300 | Mar 2022 | | CAD$0,300 | May 2023 |
| 13. **Vector Institute Scholarship,** Hamed Waezi, University of Windsor, MSc | CAD$17,500 | Jan 2023 |
| 12. **Entrance Scholarship,** School of Computer Science, Reza Barzegar, University of Windsor, MSc | CAD$4,000 | Jan 2023 |
| 11. **2nd Place, IDeA Competition**, Farinam Hemmatizadeh, University of Windsor | CAD$0,250 | Jan 2023 |
| 10. **GA Educational Practice**, Ala Alam Falaki, Centre for Teaching and Learning (CTL), University of Windsor |  | Mar. 2023 |
| 09. **GA Excellence Award**, Ala Alam Falaki, Faculty of Science, University of Windsor |  | Mar. 2023 |
| 08. **Entrance Scholarship,** School of Computer Science, Hamed Loghmani, University of Windsor, MSc | CAD$4,000 | Sept 2022 |
| 07. **Entrance Scholarship,** School of Computer Science, Farinam Hemmatizadeh, University of Windsor, MSc | CAD$4,000 | Sept 2022 |
| 06. **Entrance Scholarship,** Faculty of Graduate Studies, Farinam Hemmatizadeh, University of Windsor, MSc | CAD$7,500 | Sept 2022 |
| 05. **Gold Medalist, UWill Discover,** Dhwani Nileshkumar Patel, Univerisity of Windsor, BSc | CAD$0,300 | Mar 2022 |
| 04. **Best Research**, School of Computer Science, Arman Dashti (MSc), Karan Saxena (MSc), University of Windsor | CAD$0,300 | Nov 2021 |
| 03. **Entrance Scholarship,** School of Computer Science, Yogeswar Lakshmi, University of Windsor, MSc | CAD$3,000 | Sept 2021 |
| 02. **Entrance Scholarship,** Faculty of Graduate Studies, Yogeswar Lakshmi, University of Windsor, MSc | CAD$7,500 | Sept 2021 |
| 03. **Entrance Scholarship,** School of Computer Science, Arman Dashti (MSc), University of Windsor, MSc | CAD$3,000 | Sept 2021 |
| 02. **Entrance Scholarship,** Faculty of Graduate Studies, Arman Dashti (MSc), University of Windsor, MSc | CAD$7,500 | Sept 2021 |
| 01. **Entrance Scholarship,** School of Computer Science, Zahra Taheri, University of Windsor, PhD | CAD$7,500 | Sept 2021 |

**\_PUBLICATIONS** \*: graduate student, †: undergrad student, +: highshooler**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Google h-index: 12\_**

**Doctoral Dissertation**

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

**Journal Articles**

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| 08. Saeedi, Hosseini, Wong†, **Fani**. A Survey of Subgraph Optimization for Collaborative Team Formation: Objectives, Techniques, and Critics, ***ACM Computing Surveys****,* ***Pending peer-review****. Impact Factor: 20.26, H–Index: 190* | 2024 |
| 07. Zarrinkalam, Noughabi, Noorian, **Fani**, Bagheri. Predicting Users’ Future Interests on Social Networks: A Reference Framework, *Information Processing and Management (****IP&M****)–Elsevier, Major Revisions. Impact Factor: 6.222, H–Index: 94* | 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: 94* | 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**

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| 29. Loghmani\*, Barzegar, Rueda†, Paul†, **Fani**. OpeNTF2: A Framework for Fair Team Formation. *In the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval (****SIGIR****), Washington D.C., USA,* ***Pending peer-review****, CORE Rank: A.* | 2024 |
| 28. Lakshmi, **Fani**. RePair My Queries: Personalized Query Reformulation via Conditional Transformers. *In the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval (****SIGIR****), Washington D.C., USA,* ***Pending peer-review****, CORE Rank: A.* | 2024 |
| 27. Barzega\*, Kurepa+, **Fani**. Adaptive Loss-based Curricula for Neural Team Recommendation. *In the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval (****SIGIR****), Washington D.C., USA,* ***Pending peer-review****, CORE Rank: A.* | 2024 |
| 26. Rajaei\*, **Fani**. No Query Left Behind: Query Refinement via Backtranslation. *In the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval (****SIGIR****), Washington D.C., USA,* ***Pending peer-review****,* *CORE Rank: A.* | 2024 |
| 25. 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 |
| 24. 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 |
| 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 (****BIAS****), Co-located with the 45th European Conference on Information Retrieval (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**, Tamannaee\*, Zarrinkalam, Samouh†, 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. Tamannaee\*, **Fani**, Zarrinkalam, Samouh†, 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\*, Navivala†, 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 |

**Technical Reports**

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| --- | --- |
| 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**

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| 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 |
| 1. 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**

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| 08. The 43rd European Conference on Information Retrieval, Bloomberg, Amazon, Lucca, Tuscany, Italy, Online. | 2021 |
| 07. The 42nd European Conference on Information Retrieval, Bloomberg, Google, Amazon, eBay, Lisbon, Portugal, Online. | 2020 |
| 06. The 27th ACM International Conference on Information and Knowledge Management, ACM, SIGIR, Turin, Italy. | 2018 |
| 05. The 26th ACM International Conference on Information and Knowledge Management, ACM, SIGIR, Singapore. | 2017 |
| 04. The 29th Canadian Conference on Artificial Intelligence, CAIAC, Victoria, BC. | 2016 |
| 03. The 9th ACM International Conference on Web Search and Data Mining, Adobe, Google, Microsoft, San Francisco, USA. | 2016 |
| 02. International Conference on Tools with Artificial Intelligence, Vietri sul Mare, Italy. | 2015 |
| 01. The 27th International Conference on Software Engineering and Knowledge Engineering, Pittsburgh, USA | 2015 |

**\_RESEARCH FUNDING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 8. **Graduate Growth Incentive Fund**, PI, Faculty of Science, *University of Windsor* | CAD$020,000 | | 2022 – | 2024 |
| 7. **CFI-JELF**, Computing Infrastructure for Deep Learning on Graph-Structured Data, PI, Competitive  *Ontario Research Fund (ORF)*  *John R. Evans Leaders Fund (JELF) Canada Foundation for Innovation (CFI)*  *University of Windsor* | CAD$075,001  CAD$075,001  CAD$051,925 | | 2023 – | 2024 |
| 6. **RTI**, Computing Workstations for Deep Learning on Graph-Structured Data, PI, Competitive  *Research Tools and Instruments, NSERC* | CAD$032,010 | | 2022 – | 2022 |
| 5. **Alliance-Accelerate**, Customer Feedback Analytics from Unsolicited Resources, PI, Competitive  *NSERC Alliance*  *Mitacs Accelerate*  *Press’nXPress, Discrete Choice Inc. (https://pxp.ai/)* | | CAD$090,000  CAD$045,000  CAD$045,000 | 2022 – | 2025 |
| 4. **Undergraduate Research Experience**, Learning to Form Time-aware Teams of Experts, PI, Competitive, *University of Windsor* | CAD$002,000 | | 2022 – | 2022 |
| 3. **Discovery Grants Program**, Time-aware Community-enhanced Social Information Retrieval, PI, Competitive, *NSERC* | CAD$145,000 | | 2021 – | 2026 |
| 2. **Discovery Launch Supplement**, Time-aware Community-enhanced Social Information Retrieval, PI, Competitive, *NSERC* | CAD$012,500 | | 2021 – | 2022 |
| 1. **Startup Research Grant**, Tenure Track Assistant Professor, *University of Windsor* | CAD$065,000 | | 2020 – | 2025 |

**\_TEACHING\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 12. System Programming (The Unix Reloaded), COMP2560, University of Windsor, Canada | F21, F22, F23 |
| 11. Natural Language Processing & Understanding (NLP for SNA), COMP8730, University of Windsor, Canada | W21, W23, W24 |
| 10. Computer Architecture I: Digital Design (A Digital Odyssey), COMP2650, University of Windsor, Canada | F20, W21, F23 |
| 09. Database Management Systems (2022: A Data Odyssey), COMP3150, University of Windsor, Canada | F2023 |
| 08. Fundamentals of Data Engineering (2019: A Data Odyssey), COE848, Toronto Metropolitan University, Canada | W2019 |
| 07. Design and Analysis of Algorithms, Payame Noor University, Iran | W2014 |
| 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 | W2009 |
| 01. Information Store and Retrieval (File Structure), Islamic Azad University, Iran | F2009 |

**\_INTELLECTUAL PROPERTY\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 6. Hui, Daws, Bagheri, Zarrinkalam, **Fani**, Paydar; Detecting the Presence or Absence of a Protective Case on an Electronic Device. *Filed in Oct. 2020, US11,768,522,* ***Granted on Sept. 26, 2023.*** | 2023 |
| 5. Bagheri, **Fani**\*, Zarrinkalam\*; System and Method for Temporal Identification of Latent Communities Using Electronic Content. *Filed Sept 2016, US10,885,131,* ***Granted on Jan. 5, 2021*.** | 2021 |
| 4. Hui, Daws, Bagheri, Zarrinkalam, **Fani**, Paydar; A System and Method for Detecting a Protective Product on the Screen of Electronic Devices. *PCT/CA2020/051413, WO2021077219A1, CN114616492A* | 2020 |
| 3. 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 |
| 2. **Fani**, Zarrinkalam, Bagheri, Hui; A System and Method for Protection Plans and Warranty Data Analytics. *PCT/CA2019/050767, WO2019227238A1, CA3102116A1, CN112534456A, EP3803754A4, US20210217093A1* | 2018 |
| 1. Bagheri, **Fani**\*, Zarrinkalam\*; System and Method for Temporal Identification of Latent Communities Using Electronic Content. *CA2941604A1* | 2016 |

**\_AWARD\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 9. **Student Pitch Prize**, University of New Brunswick, Canada, *AI–Powered Swim Stroke Analytics, 3rd Place* | CAD$0,500 | Mar 2019 |
| 8. **Travel Grant**, The 26th ACM International Conference on Information and Knowledge (CIKM), Singapore | SGD$2,000 | Nov 2017 |
| 7. **AnalytiCup Prize**, The 26th ACM International Conference on Information and Knowledge (CIKM), Singapore, *Product Title Quality Challenge, 2nd Place, Lazada Singapore, Participants: 169* | SGD$2,000 | Nov 2017 |
| 6. **Student Travel Award**, Faculty of Computer Science, University of New Brunswick, Canada, *The 26th ACM International Conference on Information and Knowledge (CIKM), Singapore* | CAD$0,500 | Nov 2017 |
| 5. **Student Travel Award**, The 29th Canadian Conference on Artificial Intelligence (AI2016), BC, Canada | CAD$0,500 | June 2016 |
| 4. **Student Travel Award**, Faculty of Computer Science, University of New Brunswick, Canada, *The 29th Canadian Conference on Artificial Intelligence (AI2016), BC, Canada* | CAD$0,800 | June 2016 |
| 3. **Student Travel Grant**, The 9th ACM International Conference on Web Search and Data Mining (WSDM'16), US | US$0,270 | Feb 2016 |
| 2. **Student Travel Award**, Faculty of Computer Science, University of New Brunswick, Canada, *The 27th International Conference on Tools with Artificial Intelligence (ICTAI’15), Italy* | CAD$1,000 | Nov 2015 |
| 1. **International Differential Fees Award**, Faculty of Computer Science, University of New Brunswick, Canada, *CAD$4,212.00 for three years* | 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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| 17. School of Computer Science Representative, Faculty of Science, University of Windsor | July 2023 – | Present |
| 16. Selection Committee, School of Computer Science, University of Windsor, Posting# 2023-13-61 Server and Network Administrator | Nov. 2023 – | Present |
| 15. Selection Committee, School of Computer Science, University of Windsor, Posting# 2023-13-40 Systems Analyst | Sept. 2023 – | Present |
| 14. Appointment Committee, School of Computer Science, University of Windsor | July 2023 – | Present |
| 13. MSc Admission Committee, School of Computer Science, University of Windsor | July 2021 – | Present |
| 12. Councilor, Faculty of Science Representative, Windsor University Faculty Association (WUFA) | July 2023 – | Present |
| 11. Ad Hoc Committee, Windsor University Faculty Association (WUFA) | July 2023 – | Present |
| 10. Windsor University Faculty Association (WUFA) | July 2020 – | Present |
| 09. Internal Reader, MSc Thesis Committee, Sumisha Surendran, *Detecting Plagiarism in Source Code Using LSTM* | S2023 – | Present |
| 08. Internal Reader, MSc Thesis Committee, Mrulay Mistry, *GraphWords: Enhancing Word Vectors using Graphs* | F2022 – | S2023 |
| 07. Chair, PhD Thesis Defense, Learning to Belong: An Autoethnography on Acculturation and Identity Negotiations, Faculty of Education | Aug 2023 | |
| 06. Internal Reader, MSc Thesis Committee, Priyanka Anilkumar Motwani, *Discovering High-Profit Product Feature Groups by Mining High Utility Sequential Patterns from Feature-Based Opinions* |  | S2021 |
| 05. Chair, MSc Thesis Defense, Yakin Dipakbhai Patel, *DTA+VAE: Drug Target Affinity prediction with SELFIES String via Variational AutoEncoder and Transformer6 Protein Model* |  | 2023 |
| 04. Chair, MSc Thesis Defense, Farbod Behnaminia, *Cross-Blockchain Technology for an Interoperable and Scalable Digital Contact Tracing* |  | 2023 |
| 03. Chair, MSc Thesis Defense, Yash Trivedi |  | 2022 |
| 02. Chair, MSc Thesis Defense, Steffie Maria Stephen |  | 2021 |
| 01. Chair, MSc Thesis Defense, Saiteja Danda |  | 2021 |

**Academic Society**

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| 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 44th ACM SIGIR Conference on Research and Development in Information Retrieval, CORE Rank: A\* | July 2021 |
| 2. The 29th 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 – | 2024 |
| 12. European Conference on Information Retrieval (**ECIR**) Long & Short Paper Track, CORE Rank: A | 2019 – | 2024 |
| 11. ACM **SIGIR** Conference on Research and Development in Information Retrieval, Long & Short & Reproducibility Paper Track, CORE Rank: A\* | 2020 – | 2024 |
| 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 – | 2023 |
| 08. ACM International Conference on Web Search and Data Mining (**WSDM**), CORE Rank: A\* | 2021 – | 2024 |
| 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 |
| 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**

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

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