CONTACT INFORMATION		.ualberta.ca/~atakishi/ atakishiyev@ualberta.ca	
EDUCATION	 PhD in Computing Science University of Alberta Supervisor: Prof. Randy Goebel Thesis title: Development of Explainable Artificial Intell for Autonomous Vehicles 	Sep. 2019 - Present Edmonton, Canada ligence (XAI) Approaches	
	 MSc in Computer Engineering University of Alberta Supervisor: Prof. Marek Reformat Thesis title: Evaluation of High-Dimensional Word En and Semantic Similarity Analysis 	Jan. 2016 - Jan. 2018 Edmonton, Canada nbeddings using Cluster	
	BSc in Computer Engineering Qafqaz University	Sep. 2010 - Jun. 2015 Baku, Azerbaijan	
	Full Secondary Education Mirzabayli Village Full Secondary School	Sep. 1999 - May 2010 Gabala, Azerbaijan	
PAPERS	6. Shahin Atakishiyev, Mohammad Salameh, Randy Goebel. Incorporating Ex- planations into Human-Machine Interfaces for Trust and Situation Awareness in Autonomous Vehicles. Under review.		
	5. Shahin Atakishiyev, Mohammad Salameh, Hengshuai Yao, Randy Goebel. Ex- plainable Artificial Intelligence for Autonomous Driving: A Compre- hensive Overview and Field Guide for Future Research Directions. Under review since Feb 2023. [PDF]		
	4. Shahin Atakishiyev, Mohammad Salameh, Housam E Explaining Autonomous Driving Actions with swering. To appear in the Proceedings of the 2023 II ference on Intelligent Transportation Systems, Bilbao,	Visual Question An- EEE International Con-	
	3. Shahin Atakishiyev, Mohammad Salameh, Hengshuai Y wards Safe, Explainable, and Regulated Auto Explainable AI for Intelligent Transportation Systems,	nomous Driving. In	
	 Mi-Young Kim, Shahin Atakishiyev, Housam Babiker, N Goebel, Osmar R. Zaïane, Mohammad Motallebi, Julia Hengshuai Yao, Peter Chun. A Multi-Component Analysis and Design of Explainable Artificial Learning and Knowledge Extraction, 3(4), 900-921. 20 	ano Rabelo, Talat Syed, Framework for the Intelligence, Machine	
	1. Shahin Atakishiyev and Marek Reformat. Analysis of Using Fuzzy Clustering, Recent Developments an Soft-Computing Foundations and Applications, pp. 539	d the New Direction in	
WORK EXPERIENCE	Graduate Research AssistantDepartment of Computing Science, University of AlbertaDeveloping XAI approaches for autonomous driving.	Sep. 2019 - Present Edmonton, Canada	

PhD Research Intern	May 2023 - Aug. 2023
Huawei Technologies Canad	
• Built a language mode	l for safe and faithful robotic task planning with a team.
Casual Research Assista	• 0
Centre for Smart Transport	
• Investigated explainab	le AI approaches for end-to-end autonomous driving.
Machine Learning Engin	Mar. 2019 - Aug. 2019
Long Tail Financial Corp.	Edmonton, Canada
	a platforms for systematic trading of assets in emerging lization and predictive modeling in Python.
Machine Learning Engin	
AltaML Inc.	Edmonton, Canada
	g data using Python and built predictive models for it.
	prrection model in Python that achieved 62.8% accuracy llchecker baseline (36%) by 26.8\%.
Software Engineer	Feb. 2015 - Aug. 2015
MedEffect Digital Clinic	Baku, Azerbaijan
	ealth records (EHR) system for the clinic using PHP,
HTML, JavaScript, ar	d MySQL with a team of four people.
Software Engineer Inter	
ATL Tech	Baku, Azerbaijan
	onation system using ASP.NET, C#, HTML, JavaScript,
and MySQL with a te	ani oi iour people.
PRESENTATIONS • [Presentation] Gues	
	XAI- and human-machine interface (HMI)-guided situ-
	work for autonomous driving to the Interactive Robotics
Group of the CSAIL I	ab at the Massachusetts Institute of Technology, US.
• [Presentation] Cont	Gerence TalkSep. 2023
Presented our paper or	n explaining autonomous driving actions with visual ques-
tion answering at the	IEEE ITSC-2023 Conference in Bilbao, Spain.
• [Presentation] Gues	st Speaker Jan. 2023
	interpretability of reinforcement learning for autonomous
	group at the Technical University of Munich, Germany.
• [Presentation] Feat	ured Panelist Oct. 2022
	ured Panelist at AI4Society's Ethical Data and AI Salon.
• [Poster] UAHJIC-2	022 Workshop Aug. 2022
· · ·	the University of Alberta-Huawei Joint Innovation Col-
	(UAHJIC-2022) in Edmonton, Canada.
	I Tea Time Talk seminar series Aug. 2022
	arch in the Tea Time Talks seminar in Edmonton, Canada.
• [Presentation] Sem	Inar Jun. 2022
	conceptual framework for explainable autonomous driv-
	ng University in Baku, Azerbaijan.
• [Poster] AI Week	May 2022
	ongoing research at AI Week in Edmonton, Canada.

May 2023 - Aug. 2023

PhD Research Intern

	• [Presentation] AAAI TRASE-2022 Workshop Feb. 2022 Presented our paper entitled "Towards Safe, Explainable, and Regulated Au- tonomous Driving" at the workshop in Vancouver, Canada.
	• [Poster] AI4Society Reverse EXPO Feb. 2022 Presented a poster on ongoing research at the expo in Edmonton, Canada.
	• [Presentation] 2nd Annual Autonomous Systems Initiative Sympo- sium Jun. 2021 Gave a talk on ongoing research at the symposium in Edmonton, Canada.
	• [Presentation] 1st Annual Autonomous Systems Initiative (ASI) Symposium Oct. 2020 Gave a talk on ongoing research at the symposium in Edmonton, Canada.
TEACHING	Course InstructorFall 2022Azerbaijan State Oil and Industry University (remote)Edmonton, Canada• Taught the NLP 3101: Natural Language Processing course to the Master's students remotely from Edmonton, Canada.
	Teaching AssistantWinter 2022Department of Computing Science, University of AlbertaEdmonton, Canada• Prof. Osmar Zaiane and Sadaf Ahmed's teaching assistant (TA) for CMPUT 174: Introduction to the Foundations of Computation I (>600 students).
	Teaching AssistantFall 2019Department of Computing Science, University of AlbertaEdmonton, Canada• Prof. Russell Greiner's TA for the CMPUT 463/563: Probabilistic Graphical Models course, a senior undergrad./grad. level course consisting of 34 students.
HONORS & AWARDS	• Jan. 2024: Graduate Student Travel Award for academic travel to the Massachusetts Institute of Technology (a one-time payment award)
	• Nov. 2023: The Alberta Graduate Excellence Scholarship (AGES) for out- standing achievements in doctoral study (a one-time payment award)
	• Feb. 2022: AAAI-2022 Conference Scholarship (a one-time payment award)
	• May 2020: Huawei's Doctoral Research Funding (May 2020 - Apr. 2024)
	• May 2020: Doctoral Scholarship by the Ministry of Science and Education of the Republic of Azerbaijan (May 2020 - Oct. 2023)
	• Mar. 2019: Doctoral Funding by the Department of Computing Science of the University of Alberta (Sep. 2019 - Apr. 2023)
	• Sep. 2015: Master's Scholarship by the Ministry of Science and Education of the Republic of Azerbaijan (Jan. 2016 - Jan. 2018)
ACADEMIC SERVICE	ReviewerMar. 2020 - PresentDepartment of Computing Science, University of AlbertaEdmonton, Canada• Reviewed papers for the JMLR, JAIR, and AIRE journals; IEEE ITSC Conference (2022, 2023), IEEE IV Conference (2022), and AAAI-2024 Conference.
	Publicity Director May 2022 - Aug. 2022 Department of Computing Science, University of Alberta Edmonton, Canada • Promoted various academic events to the students and the department as a Publicity Director of the Computing Science Graduate Students' Association.

Last updated on Jan. 30, 2024.

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