Contact Information	Department of Computer ScienceEmail: sh.alavi77@gmail.comUniversity of British Columbiahttps://www.cs.ubc.ca/~salavis/		
Education	Ph.D. in Computer Science, University of British Columbia (2021-Present)		
	M.Sc. in Computer Science, University of Southern California (2020)		
	B.Sc. in Computer Engineering, Sharif University of Technology (2016)		
	B.Sc. in Aerospace Engineering, Sharif University of Technology (2016)		
Honors and Awards	Annenberg Fellowship, University of Southern California (2016)		
	Gifted Student Award, Entrance exam waiver for graduate program, Sharif University of Technology (2016)		
	Member of the Exceptional Talents Organization, Sharif University of Technology (2013-2016)		
	Awarded the opportunity to be the first student at SUT who double majored in(2013)Computer Engineering and Aerospace Engineering, Exceptional Talents Organization, SUT(2013)		
	Ranked top 0.01% in Mathematics and Physics participants, B.Sc. Entrance Exam (2011)		
	Admitted to study "Doctor of Medical Professionals", National university entrance exam, Iran (2011)		
	Member of The National Organization for Development of Exceptional Talents (2007-2010)		
Research Interests	 Conversational AI Commonsense Reasoning Machine Translation and Language Modeling Question Answering Recommendation Systems Applied NLP and Deep Learning 		
Experiences	NLP research Group , RA, UBC, Supervisors: <i>Raymond Ng</i> and <i>Vered Shwartz</i> (2021-Present)		
	Apple Maps Search, Machine Learning / NLP Research Intern, Apple, Cupertino, USA (Summer 2020)		
	Natural Language Dialogue Group, RA, ICT, USC, Advisor: David Traum (2018-2021)		
	• Open-domain chat bot, Develop open-domain end to end chat bots by fine-tuning dialoGPT on the Alexa topical chat dataset		
	• Generative Neural Network, design and implement a generative deep learning model for the task of choosing the next best response for a given dialogue, exploiting from Transformers and BERT		
	• Dual-Encoder , build a sequence to sequence neural network dialogue manager, based on the Dual-Encoder model's architecture, for the New Dimensions in Testimony (NDT) system		
	• Virtual Human/Dialogue System, conducting a human in the loop experiment for Mr. Clue, a virtual agent that can play Word-Guessing Games		
	• Android application, design a multilingual spoken dialogue system that elicits monologues from speakers of endangered languages to generate a general use corpus of audio responses		
	Intelligence and Knowledge Discovery group, RA, USC, Advisor: Xiang Ren (Spring-Summer 2018)		
	• Sequence to Sequence model for Knowledge Extraction, Implement a variation of TACRED position aware model from "Position-aware Attention and Supervised Data Improve Slot Filling"		
	Machine INtelligence and Data Science group, RA, ISI, USC, Advisor: Greg Ver Steeg (Fall 2017)		
	Software Quality Lab, Research Assistant, USC, Advisor: William G.J. Halfond (2016-2017)		
	• "Annoying Advertisement" classifier, build an advertisement classifier using Support Vector Machine, K-Nearest Neighbours, and Random Forests algorithms		
	• Design an energy consumption predictor of software functions using Linear Regression and pro-graming analysis		

• Control flow Analysis and Data Flow Analysis of software programs using Soot library

• Android application, design and develop of "Limit" application, an android app synchronized with a supporting server allowing parents to track their children, *SUT Smart Lab*

Professional	Conference peer reviewer: Association for the Advancement of Artificial Intelligence	(AAAI-21)	
ACTIVITIES	Co-organizer of The 9th Dialog System Technology Challenge	(DSTC9)	
	Member of the New York Academy of Science	(Fall 2019-2021)	
	Conference peer reviewer: Southern California Natural Language Processing Symposium		
	Conference peer reviewer: International Conference on Software Engineering	(ICSE 2017)	
Select Publications	a Cross-Language rid Traum, <i>LREC</i>		
	[2] "An Interactive Image Editing System using an Uncertainty-based Confirmation Strat nagawa, Koichiro Yoshino, Seyed Hossein Alavi , Kallirroi Georgila, David Traum, Sakr Nakamura. <i>IEEE Access</i> (2020).		
	[3] "Human swarm interaction using plays, audibles, and a virtual spokesperson", Patricia Chaffey, Ron Artstein, Kallirroi Georgila, Kimberly A Pollardy, Setareh Nasihati Gilani, Seyed Hossein Alavi , David M Krum, David Nelson, Kevin Huynh, Alesia Gainer, Rhys Yahata, David Traum <i>SPIE</i> (2020).		
	[4] "Overview of the Ninth Dialog System Technology Challenge", DSTC9 (2020).		
	[5] "Can We Use a Spoken Dialogue System to Document Endangered Languages?", Seyed Hoss Jacqueline Brixey, David Traum, $DiGo$ (2019).		
	[6] "Comparing Cross Language Relevance vs Deep Neural Network approaches to corpus- dialogue systems", Seyed Hossein Alavi , Anton Leuski, David Traum, <i>SemDial</i> (2019).	-based End-to-end	
	[7] "Developing a Virtual Reality Wildfire Simulation to Analyze Human Communication with a Robotic Swarm During Emergencies", Patricia Chaffey, Ron Artstein, Kallirroi G A Pollardy, Setareh Nasihati Gilani, Seyed Hossein Alavi , David M Krum, David Nels Alesia Gainer, Rhys Yahata, David Traum <i>HLTCEM</i> (2019).	eorgila, Kimberly	
Select Graduat Courses	 Deep Learning (Special Topic), USC, Grade: A AI for Multi-Agent Systems (Special Topic), USC, Grade: A Applied Natural Language Processing, USC, Grade: A Dialogue Systems, USC, Grade: A 		
Teaching Experiences	 Analysis of Algorithms, Head TA, Instructor: Professor Shamsian USC Introduction to Algorithms and the Theory of Computing (CSCI 270), Head TA, Instructor: Professor Shamsian, USC Analysis of Algorithms, Head TA, Instructor: Professor Shamsian USC Analysis of Algorithms, Head TA, Instructor: Professor Shamsian USC Analysis of Algorithms, Head TA, Instructor: Professor Shamsian USC Analysis of Algorithms, Head TA, Instructor: Professor Shamsian USC Analysis of Algorithms, Teaching Assistant, Instructor: Professor Shamsian USC Analysis of Algorithms, Teaching Assistant, Instructor: Professor Shamsian USC Analysis of Algorithms, Teaching Assistant, SUT, Instructor: Professor Javadi Numerical Methods, Teaching Assistant, SUT, Instructor: Professor Javadi Computer Structure and Language, Teaching Assistant, SUT, Instructor: Professor Abtahi Digital Design, Teaching Assistant, SUT, Instructor: Professor Abtahi 	(Fall 2020) (Spring 2020) (Fall 2019) (Summer 2019) (Summer 2018) (Spring 2018) (Fall 2017) (Spring 2015) (Fall 2014) (Sadi (Fall 2014) (Fall 2014) (Spring 2014)	
Technical Experties	Programming Languages: Python, Java, Scala, C++, MATLAB, PHP, SQL Libraries and frameworks: Pytorch, TensorFlow, Keras, Scikit, Soot, JavaFX Movbile/Web: Android, Django, NodeJs, HTML, CSS, JS Distributed: Spark, Hadoop		
University Services	Vice President of the USC Iranian Graduate Student Association (IGSA) Member of the Computer Science PhD committee department	(2017-2019) (2017-2019)	
Extra- curricular Activities	Member of the BreakOn2 performance dance team Member of the USC ballroom dance team	(2019-2020) (2020)	