

# Seyed Mehran Kazemi

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GitHub Google Scholar LinkedIn

- EXPERIENCE**
- ◇ **Lead Machine Learning Scientist** at **TalentSnap**: Aug 2017 - Present (part-time)  
Developed a novel machine learning model based on relational learning, NLP and time series analysis, which takes in job postings and recommends the best-fit candidates to job posters.
  - ◇ **Machine Learning Contractor** at **TELUS**: Jul 2016 - Aug 2017  
Designed a probabilistic entity-resolution model for searching TELUS billing accounts. Our model improved TELUS's existing search tools (costing hundreds of thousand dollars per year) by 12%.
  - ◇ **Founder & CEO** at **Ziresad.com**: Jun 2015 - Feb 2016 (failed)  
Developed a package for Iranian high-school students preparing for the university entrance exam.
  - ◇ **Intern** at **Curatio Networks Inc.**: Sep 2014 - Mar 2015  
Designed and implemented 1) a people-to-people recommendation system for a medical social network, and 2) a question routing system for a medical question answering framework.
  - ◇ **Intern** at **Treatment.com**: May 2013 - Sep 2013  
Designed a model to predict congestive heart failure from electronic health records.
- EDUCATION**
- ◇ **PhD in Computer Science**, University of British Columbia, 2014 - 2018 (expected in August)  
**Thesis**: Representing and learning properties and relations under uncertainty, **Supervisor**: David Poole
  - ◇ **MSc in Computer Science**, University of British Columbia, 2012 - 2014, **GPA: 92/100**  
**Thesis**: Relational logistic regression, **Supervisor**: David Poole
  - ◇ **BSc in Software Engineering**, Amirkabir University of Technology, 2008 - 2012, **GPA: 19.18/20**  
**Thesis**: Image restoration using chaotic neural networks, **Supervisor**: Saeed Shiry Ghidary
- PUBLICATIONS**
- ◇ **(Deep) Relational Learning**: AAAI-18, Frontiers-18, CoRR-18, StarAI-16 &17, SUM-14, KR-14
  - ◇ **Lifted Probabilistic Inference**: NIPS-16, StarAI-16 &17, KR-16, AAAI-14
- OPEN-SOURCE SOFTWARE**
- ◇ **RelNN**: A deep neural model for relational learning (Java)
  - ◇ **Simple**: An embedding model for link prediction in knowledge graphs (Python & TensorFlow)
  - ◇ **L2C**: Fast lifted inference for relational probabilistic models (Ruby & C++)
- SKILLS**
- ◇ Python, TensorFlow, PyTorch, Weka, SQL, Ruby (on Rails), Java, Matlab, C/C++
- HONORS AND AWARDS**
- ◇ **4-Year Fellowship (UBC's Premier PhD Award)**: \$26,000 per year, UBC, 2014 - 2018
  - ◇ **ICICS Graduate Scholarship**: \$5,000 per year, UBC, 2014 - 2016
  - ◇ **Olympiad Gold Medalist**: 16<sup>th</sup> national olympiad in computer engineering, Iran, 2011
  - ◇ **Ranked 1<sup>st</sup> in Cumulative GPA**: Software eng. department, Amirkabir Univ. of Tech., 2012
  - ◇ **Awarded the Best Student of the Year Title**: Amirkabir Univ. of Tech., 2009, 2010 & 2011
  - ◇ **Top Ranks at Data Mining Cup**: Ranked 2<sup>nd</sup> and 16<sup>th</sup> in 2012 and 5<sup>th</sup> and 9<sup>th</sup> in 2011 in online and offline tasks, Berlin, Germany
- TEACHING EXPERIENCE**
- ◇ **Guest Lecturer**: UBC, CPSC 522, **Topic**: Tensor Factorization for Knowledge Graph Completion
  - ◇ **Guest Lecturer**: UBC, CPSC 532, **Topic**: Exploiting Symmetries in Probabilistic Inference
  - ◇ **Teaching Assistant**: Artificial Intelligence, Data Mining, Operating Systems, Data Structures
- VOLUNTEER & LEADERSHIP**
- ◇ **StarAI Reading Group Organizer**: Computer Science Department, UBC, 2015 - 2017
  - ◇ **Vice President of Sports**: Computer Science Department, UBC, 2014 - 2015
  - ◇ **Member of Admissions Committee**: Computer Science Department, UBC, Fall 2015