

# Mohammad Hadi Salari

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## EDUCATION

- **Simon Fraser University**, Burnaby, Canada  
MSc Candidate, Computing Science, *Sep. 2019 - Sep. 2021(expected)*  
Supervisor: Prof. Greg Mori
- **Sharif University of Technology**, Tehran, Iran  
BS Candidate, Computer Engineering, *Sep. 2014 - June 2019*  
GPA: **18.57** / 20
- **NODET** High School, National Organization for Development of Exceptional Talents, Yazd, Iran  
Diploma in Mathematics and Physics, *Sep. 2010 - Sep. 2014*  
GPA: **19.90** / 20

## HONORS AND AWARDS

- Ranked among top 10% in Cumulative GPA among 140 undergraduate students in Department of Computer Engineering, Sharif University of Technology, September 2014 until now.
- Ranked 37th among more than 300,000 participants in **National University Entrance Exam**, Admitted to Sharif University of Technology, Summer 2014.
- Semifinalist in the National Olympiad in Computer Major and ranked for the first 80 students among the country, June 2013.
- Recipient of the Grant for Undergraduate Studies from the Iranian National Foundation of Elites, awarded to selected members, 2014 until now.
- Recognized as talented student in entry exam of NODET among Yazd students for middle and high school, 2007 & 2010.

## RESEARCH EXPERIENCES

- **Research Assistant**, **Machine Learning Lab(MLL)**, *2017 until now*  
Under supervision of Prof. Soleymani  
*In this laboratory, I am working on Machine Learning and more specifically on Natural Language Processing. I designed and developed an artificial system which classifies advertisements based on their descriptions. These advertisements were posted on a classified-ad platform. I used several methods such as Char-level Convolutional Neural Network, fastText, and TFIDF algorithm and compared their results with each other. I am still working on improving text classification methods' precision and recall, and it is part of my bachelor thesis.*

## WORK EXPERIENCES

- **Software Engineer** at **Cafebazaar**, Tehran, Iran, June 2017- Sep. 2018.  
*As a Back-End developer, I was responsible for maintaining and adding new features to the platform which was developed using Python and Django. Furthermore, I designed and developed two microservice from scratch using Go programming language and Go Kit programming toolkit. It helped the company to get rid of some parts of the legacy code.*

- Member of the Technical Committee of [ACM-ICPC](#) regional contests in Tehran site, 2017.
- Member of the Executive Committee of [Winter Seminar Series](#), Tehran, Iran, 2017.

## TEACHING EXPERIENCES

- **Systems Analysis and Design**, [Prof.Fazli](#) *Fall 2018*
- **Data Structures and Algorithms**, [Dr.Alipour](#) *Fall 2018*
- **Artificial Intelligence**, [Prof.Soleymani](#) *Spring 2018*
- **Design of Algorithms**, [Prof.Abam](#) *Fall 2017*
- **Data Structures and Algorithms**, [Prof.Ghodsi](#) *Fall 2017*
- **Operating Systems**, [Prof.Kharrazi](#) *Fall 2017*
- **Theory of Formal Languages**, [Prof.Izadi](#) *Spring 2016*

## TOP ACADEMIC COURSE PROJECTS

- **Computer Networks**,  
*Implementing a simulation of TCP congestion control algorithms with customizable network structure written in Java.*
- **Network Security**,  
*Implementing different security attacks such as XSS attack, Sql injection, Printf format vulnerability and etc.*
- **Operating Systems**,  
*Creating an application-level snapshot mechanism which is able to create chained snapshots.*

## TECHNICAL SKILLS

- **Languages and Tools:**  
Expert in: Python, Go, Java, C++, SQL, Git, Docker, L<sup>A</sup>T<sub>E</sub>X  
Familiar with: Prolog, Android programming, Verilog, Kubernetes
- **Network Tools:**  
Wireshark, Cisco Packet Tracer, GNS3, Iptables
- **Data Science:**  
Tensorflow, Sklearn, Apache Spark, Zeppelin, hadoop, classic machine learning techniques
- **Web Development:**  
HTML, CSS, JavaScript, Django
- **Operating Systems:**  
Linux, Windows

## LANGUAGES

- **Persian** (Farsi) : Native
- **English** : Fluent  
*TOEFL score: 103 (Reading:26,Listening:27,Speaking:23,Writing:27)*