

Hadi Sinaee | Curriculum of Vitae

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Interests

Systems For Machine Learning (SysML), Database Systems, Distributed Systems, Operating Systems

Education

- **University of British Columbia** **Vancouver, Canada**
◦ *M.Sc. Computer Science, Systems, Supervised By Prof. Margo Seltzer* *2021–Present*
- **Sharif University of Technology** **Tehran, Iran**
◦ *M.Sc. Artificial Intelligence, Research Supervisor: Prof. Mahdieh Soleymani* *2013–2016*
- **University of Kashan** **Kashan, Iran**
◦ *B.Sc. Software Engineering, Supervised By Prof. Hossein Ebrahimpour* *2009–2013*

Honors & Awards

- Awarded a full scholarship from “Max Planck Institute for Software Systems” for research internship (not-attended)
- Ranked 15th in *National Undergraduate Computer Engineering Olympiad*, 2013
- Ranked the 1st B.Sc. student in Software Engineering, Department of Electrical and Computer Engineering, University of Kashan, 2013
- Raised three consecutive funding (A, B, C) from prominent venture capitals and startup accelerators for HodHod, an instant messaging application, Tehran, 2015-2018
- Awarded “The Best Mobile Application of the Year” out of more than 4,500 mobile applications from *Iran Web and Mobile Festival (IWMF-1396)* for HodHod, an instant messaging application, 2016-2017
- Awarded “The Best Mobile Application of the Year” from *Cafebazaar*, the largest android application marketplace in Iran, out of 50,000 mobile applications for HodHod, an instant messaging application, 2015-2016

Publications

- **Book | C# Programming**, by Rob Miles. Translated by: Dr. Salman Goli Bidgoli, Rasoul Mohammadi, **Hadi Sinaee**, 2012, ISBN: 978-600-93248-0-4

Academic & Professional Experience

- **Torob Inc. | Intelligent Search Engine For Online Shopping** **Tehran, Iran**
- *Senior Product Manager* *March 2019 - Feb. 2020*
 - Built a product management workflow using GitLab issue tracker
 - Designed data-driven solutions for ranking shops in Torob, reduced complaints by 30%
- **Ostadkar.pro | The Largest Online Platform For Home Services in Iran** **Tehran, Iran**
- *CTO and Product Director* *March 2019 - Feb. 2020*
 - Designed a micro-service architecture
 - Lead engineering, product and data analytic teams
 - Scaled the tech and product teams 5x in 6 months
 - Improved the hiring process for tech and product teams
- *Product Manager* *July 2018 - March 2019*
 - Implemented a data-driven go-to-market strategy for beauty services
 - Designed a solid foundation for pricing beauty services using a data-driven approach
 - Increased the number of orders by 50% and the number of suppliers by 3x
- **HodHod | Instant Messaging Application** **Tehran, Iran**
- *Co-founder and CTO* *2015– July 2018*
 - Implemented a distributed architecture for instant messaging backend
 - Achieved more than 60K Daily Active Users (DAU)
 - Sent more than half a million messages per day

- *Created* a revenue stream of more than 1 Billion Rials per year

- **Miras Technologies | Big Data Platform**

Tehran, Iran

June 2015–January 2016

- *Data Scientist*
 - *Built* machine learning models for classification and clustering of a private bank's customers
 - *Built* a predictive model for weather pollution for Tehran Municipality

- **Machine Learning Lab**

Tehran, Iran

2015–2016

- *Research Assistant*
 - *Researched* on using Deep Learning for human behaviour prediction in smart homes using sensory data

- **Image Processing and Computer Vision Lab**

Kashan, Iran

2012–2013

- *UG Research Assistant*
 - *Researched* on object detection and tracking using SIFT features and OpenCV

Projects

- System Design Premiere Translation [↗](#)
- HodHod, an instant messaging platform
- Persian voice recognition for detecting numbers using Hidden Markov Models (HMMs) and HTK library
- Persian name entity recognition using Conditional Random Field (CRF) method
- Scar progress detection using the image processing using Matlab (UG project)

Technical Skills

- **Programming:** Go, Python and C/C++
- **Data Engineering:** Docker, Docker Swarm, gRPC, protobuf, Apache Drill
- **Queues:** Apache Kafka, RabbitMQ
- **Databases:** SQLite, PostgreSQL, MongoDB, Redis
- **Libraries:** OpenCV, Numpy, Scipy, Theano
- **Frameworks:** NodeJS, Express, Mocha, Jest, SocketIO, Django
- **Software Engineering:** Scrum Methodology, Software Product Management

Invited Talks

- Effective Team Communication **BANA Talent Accelerator, June 2018**
- A Quick Guide to Scrum [↗](#) **Sharif University Accelerator; July 2016 & 2017**
- Restricted Boltzman Machines (RBM) From Scratch [↗](#) **Sharif University of Technology; May 2015**
- Distinctive Image Features From Scale Invariant Key-Point [↗](#) **Sharif University of Technology; May 2014**

Service

- Technical member of the startup admission committee at Sharif University Accelerator, Tehran, Iran. 2016-2021
- Technical mentor at BANA Talent Accelerator, Tehran, Iran, 2018-2021

Standard Tests

- TOEFL-IBT (Total: 104, Reading: 25, Listening: 26, Speaking: 25, Writing: 28)
- GRE (Total: 312, Verbal: 146, Quant: 166)