

Hadi Sinaee | Curriculum of Vitae

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Research Interests

Scalable Machine Learning, Deep Learning, Probabilistic Graphical Models, Data Intensive Systems, Big Data

Education

- **Sharif University of Technology** [📍](#) **Tehran, Iran**
◦ *Master of Professional in Artificial Intelligence, GPA: 15.09/20* *2013–2016*
Seminar Project: Deep Learning for Human Behaviour Modelling in Smart Homes, supervised by Dr. Mahdieh Soleimani Baghshah
Related Courses: “Neural Networks” (19.1/20), “Advanced Topics in AI: Scalable Machine Learning” (20/20), “Machine Vision” (16.8/20), “Machine Learning” (15.1/20), “Digital Signal Processing” (17.1/20)
- **University of Kashan** [📍](#) **Kashan, Iran**
◦ *B.Eng Software Engineering, Ranked 1st, GPA: 17.12/20* *2009–2013*
Thesis: An Application of Content Based Image Retrieval in Augmented Reality, supervised by Dr. Hossein Ebrahimimpour.
Related Courses: “Digital Image Processing” (20/20 grad.), “Computer Simulation” (19.80/20 grad.), “Advanced Mathematics in Computer Engineering(18/20, grad)”, “Data Structures” (19.5/20), “Computer Systems Architecture” (19.25/20), “Computer Networks” (18/20), “Information Storage and Retrieval” (18.80/20), “Theory of Automata and Languages” (18.10/20), “Software Engineering I” (18/20), “Software Engineering II” (17.5/20), “Algorithms Design” (17.25/20), “Artificial Intelligence” (16.75/20, ranked 3rd)

Honors & Awards

- Won full scholarship from “Max Planck Institute for Software Systems”.
- Won “Best Mobile Application of the Year” award out of more than 4,500 mobile applications from *Iran Web and Mobile Festival (IWMMF-1396)* for *HodHod*, an instant messaging application, 2016-2017.
- Won “Best Mobile Application of the Year” award from *Cafebazaar*, the largest android application marketplace in Iran, out of 50,000 mobile applications for *HodHod*, an instant messaging application, 2015-2016.
- More than 60,000 Daily Active Users, sending more than half a million messages per day and more than 150 Million Rials per month revenue at our instant messaging platform, *HodHod*.
- Won 250M Rial fund for the “HodHod Startup” from Sharif University of Technology, 2015.
- Ranked 15th in *National Undergraduate Computer Engineering Olympiad*, 2013.
- Ranked 1st B.Sc. students in Software Engineering, Department of Electrical and Computer Engineering, University of Kashan, 2013.

Publications

- **Book | C# Programming**, by Rob Miles. Translated by: Dr. Salman Goli Bidgoli, Rasoul Mohammadi, **Hadi Sinaee**, 2012, ISBN: 978-600-93248-0-4. (This book has been taught for Advanced Programming course at the University of Kashan)

Academic & Professional Experience

- **The Max Planck Institute for Software Systems | Cloud Software Systems** [📍](#) **Saarbrücken, Germany**
◦ *Research Assistant Intern, Supervisor: Prof. Jonathan Mace* [📍](#) *Expected in 2019*
Activities: I am going to research on Data Intensive and Machine Learning Systems at Cloud Software Systems group.
- **Ostadkar.pro | The Largest Online Platform For Home Services in Iran** [📍](#) **Tehran, Iran**
◦ *Director of Product and Engineering* *March 2019–Present*
- **Ostadkar.pro | The Largest Online Platform For Home Services in Iran** [📍](#) **Tehran, Iran**
◦ *Product Manager of Beauty Services* *July 2018–March 2019*
- **HodHod | Instant Messaging Startup** [📍](#) **Sharif Advanced Technology Center Incubator** [📍](#), **Tehran**
◦ *Co-founder | CTO & Vice Chairman* *2017– July 2018*

- **HodHod | Instant Messaging Startup** [↗](#)
◦ *Co-founder | Managing Director*

Sharif University Accelerator [↗](#), Tehran
2015–2017

- **Miras Technologies | Big Data Platform Startup** [↗](#)
◦ *Data Scientist*

MAPS Accelerator, Tehran
July 2015–January 2016

- **Machine Learning Lab** [↗](#)
◦ *Research Assistant*

Sharif University of Technology, Tehran
2015–2016

Research & Industrial Projects

- **GitHub** | **Prettier Zap** [↗](#) : “*Beautify And Query Zap Logger Outputs*”
- **GitHub** | **System Design Premiere Translation** [↗](#)
- **HodHod** | **An Instant Messaging Platform**
- **HodHod** | **Advertisement and Payment Platform For HodHod**
- **M.Sc.** | **Diabetic Retinopathy Detection on Kaggle Using Convolutional Neural Nets (CNNs)**
- **M.Sc.** | **Persian Voice Recognition for Numbers Using Hidden Markov Models (HMMs) with HTK Lib**
- **M.Sc.** | **Persian Name Entity Recognition Using Conditional Random Field (CRF)**
- **B.Sc.** | **Scar Progress Detection With Image Processing Using Matlab**

Technical Skills

- **Programming:** Golang, JavaScript, and Python
- **Data Engineering:** Docker, Apache Drill (limited experience), Apache Kafka (limited experience), OpenTracing, Jeagar, NATS, gRPC, and protobuf
- **Databases:** Sqlite, MYSQL, MongoDB, and Redis
- **Libraries:** OpenCV, Numpy, Scipy, Theano, pySpark(limited experience), and Scikit-Learn (limited experience)
- **Frameworks:** TensorFlow(limited experience), NodeJS, Express, Mocha, Jest, SocketIO, and Django
- **Software Engineering:** Scrum Methodology, Product Management, Growth Planning, and Leadership

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
- **Introduction To HodHod Messenger** **Channel 1, National TV**; Nov. 2015
- **Interview About Startup Ecosystem In Iran** **Channel 4, National TV**; Nov. 2016
- **Teaching Assistant (over 1000 hours teaching experience)**
Artificial Intelligence, Design And Analysis of Algorithms, Data Structures, Introduction to Python Programming, Discrete Mathematics, and Digital Logic Circuits.

Service & Leadership

- **Technical Member of Startup Admission Committee at Sharif University Accelerator.**
- **Mentor at BANA Talent Accelerator.**

Languages

- **Persian (Native)**, English (**TOEFL-IBT: 104**, R:25, L:26, S:25, W:28)