Hadi Sinaee | Curriculum of Vitae

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Interests

Data Systems, 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 full scholarship from *"Max Planck Institute for Software Systems"* for research internship (I couldn't attend MPI-SWS due to visa issues)

- 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

- Fund raised three consecutive series(A,B,C) from prominent venture capitals and startup accelerators for HodHod, an instant messaging application, in 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*
    - *Designed* data-driven solutions for shops ranking

- **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 for a complex marketplace
    - *Lead* engineering, product and data analytic teams
  - *Product Manager* — *July 2018 - March 2019*
    - *Implemented* a go to market strategy for beauty services based on the analytical approaches
    - *Designed* a solid foundation for pricing beauty services using a data driven approach

- **HodHod | Instant Messaging Application** ⇗ — **Tehran, Iran**
  - *Co-founder and CTO* — *2015– July 2018*
    - *Implemented* a distributed architecture for instant messaging
    - *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**
  - *Data Scientist*   *June 2015–January 2016*
    - · *Created* machine learning models for classifications and clustering
    - · *Created* a predictive model for weather pollution
    - · *Maintained* a distributed cluster of machine learning models using Docker and Kubernetes
- **Machine Learning Lab** ⬈   **Tehran, Iran**
  - *Research Assistant*   *2015–2016*
    - · *Researched* on using Deep Learning for human behavior prediction
- **Image Processing and Computer Vision Lab**   **Kashan, Iran**
  - *Research Assistant*   *2012–2013*
    - · *Researched* on object detection and augmented reality. Moreover real-time object tracking in videos

Projects

- Prettier Zap ⬈ : *"Beautify And Query Zap Logger Outputs"*

- System Design Premiere Translation ⬈

- An Instant Messaging Platform

- Diabetic Retinopathy Detection on Kaggle Using Convolutional Neural Nets (CNNs)

- Persian Voice Recognition for Numbers Using Hidden Markov Models (HMMs) with HTK Lib

- Persian Name Entity Recognition Using Conditional Random Field (CRF)

- Scar Progress Detection With Image Processing Using Matlab

Technical Skills

- **Programming:** Go, Python and C/C++

- **Data Engineering:** Docker, Docker Swarm, OpenTracing, Jeagar, gRPC, protobuf, Apache Drill

- **Queues:** Apache Kafka, RabbitMQ, NATS, NSQ

- **Databases:** Sqlite, PostgreSQL, MongoDB, Redis, Elasticsearch

- **Libraries:** OpenCV, Numpy, Scipy, Theano, pySpark

- **Frameworks:** PyTorch, 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

- Introduction To HodHod Messenger   **Channel 1, National TV**; Nov. 2015

- Interview About Startup Ecosystem In Iran   **Channel 4, National TV**; Nov. 2016

- Teaching Assistant
  Artificial Intelligence, Design And Analysis of Algorithms, Data Structures, Introduction to Python Programming, Discrete Mathematics, and Digital Logic Circuits.

Service

- Technical Member of 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)