

SHERVIN KHASTOO

Software Engineer

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EXPERIENCE

Senior Software Engineer

HomeX

Sep 2020 - Ongoing

Toronto, Ontario, Canada

- Full-Stack Developer in Core Platform Team
- Platform Operations Lead (Monitoring/Logging/Deployment)

Senior Software Engineer

Cafebazaar

March 2018 - August 2018

Tehran, Tehran, Iran

- Full-Stack Developer, Container/Server Maintainer (DevOps)
- Product Owner of Web Chat Application in Divar

Software Engineer

Cafebazaar

June 2015 - March 2018

Tehran, Tehran, Iran

- Backend Developer at Adad (Mobile Advertising Network) using Python/Django (50 million+ daily ad impressions)
- Co-Designer and Full-Stack Developer of the Chat Subsystem in Divar (10 million+ users) using Elixir/Phoenix/Cassandra/React.js

EDUCATION

MMath in Computer Science

University of Waterloo

September 2018 - August 2020

Thesis: Using Neural Networks to Improve WiFi Rate Adaptation.
Area: Systems and Networks, GPA: 91.5%.

B.Sc. in Computer Engineering

Sharif University of Technology

September 2014 - July 2018

Major: Software, GPA: 17.48/20.

PUBLICATIONS

Conference Proceedings

- Khastoo, S., Brecht, T., & Abedi, A. (2020). NeuRA: Using Neural Networks to Improve WiFi Rate Adaptation. In M. Aguilar-Igartua, P. Bellavista, A. A. F. Loureiro, & C. Giannelli (Eds.), *MSWiM '20: 23rd International ACM Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems, Alicante, Spain, November 16-20, 2020* (pp. 161-170). doi:10.1145/3416010.3423217

SKILLS

High-Intermediate: Python C/C++

Javascript Typescript

Intermediate: C# Java Go Elixir

Bash Keras Tensorflow

Web: HTML 5 CSS React.js Redux

Programming: Object-Oriented Functional

Asynchronous Git Agile/Scrum

Applied Science: Data Structures Algorithms

Machine Learning Neural Networks

Databases: MySQL PostgreSQL Redis

Mongo Memcached Cassandra

DevOps: Linux Networking SDN

Docker Kubernetes Monitoring

Other: Self Learning Debugging

Microcontroller FPGA

PROJECTS

Cryptocurrency Trader

Algorithmic trader based on a neural net.

Home Router (Raspberry Pi)

Split-tunnel VPN Router with touch screen.

WiFi Traffic Classifier

Classify traffic and mobility using LSTM.

AWARDS

Silver Medal in 23rd INOI
Iran National Olympiad in Informatics.

Bronze Medal in 22rd INOI
Iran National Olympiad in Informatics.