

Vahid Mostofi

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EDUCATION

- **Master of Computer Engineering:** University of Calgary; Calgary, CA Sep. 2019 – (expected: Summer 2021)
- **Master of Computer Engineering:** Shahid Beheshti University; Tehran, IR Sep. 2017 – Aug. 2019
- **Bachelor of Science in Computer Science:** University of Tehran; Tehran, IR Sep. 2011 – Feb. 2016

EXPERIENCE

- **AlgoFactory** London, UK
Freelance Model Developer Aug 2020 - Nov-2020
 - **Developing the auto-trading algorithms:** Development and implementation of auto-trading algorithm based on **financial data** in QuantConnect platform.
- **Rahnema** Tehran, IR
Freelance Backend Developer Apr 2019 - Jul 2019
 - **ATS system:** Designed and developed an Applicant Tracking System based on microservice design architecture using OAuth2.0, **Java Spring Boot** and **MySQL Database**.
- **Rahnema** Tehran, IR
Machine Learning Internship Nov 2018 - Mar 2019
 - **Recommendation System:** Designed and Developed a recommendation system for a push notification app.
 - **Image Classification:** An Image classification task for a **Kaggle** competition of classifying different Wahles. Used Siamese network to train a distance metric learning model. The model finished with a **bronze medal in the top 6%**.
- **YOUTABGAMES** Tehran, IR
Co-founder, developer Aug 2015 - July 2017
 - **Game Designer/Developer:** Designed, developed and published three arcade games for Android and iOS using swift, cocos2d-x and Unity.

PROJECTS

- **Docker-Swarm AutoScaler (SwarmManager):** Summer-Winter 2020, An enhanced MAPE system (developed in Go) which enable autoscaling on Docker Swarm using Jaeger OpenTracing. (available at github)
- **Parallel Link Prediction using Node Embedding:** Fall 2019, Design and implementation (using **Apache Spark**) of an algorithm for parallelizing the node embedding approach for link prediction in **large graphs** (available at github)
- **Generating Heterogeneous Graphs Using Deep Learning:** Winter 2018, Generating Heterogeneous Graphs Using **Deep Generative Models** as the project for my thesis at Shahid Beheshti University, Tehran, Iran
- **Search Engine for Stackoverflow dataset:** Winter 2017, A search engine using Apache **Lucene** (developed in **Java**) for Stackoverflow public dataset. The search engine could be searched based on different factors like, answers, questions, tags, ...
- **Angry Bird (Game) Automatic Level Generator:** Fall 2017, Creating a configurable and automatic level generator for Angry Birds, levels are randomly generated, playable, physically stable. (available at github)
- **Other Tools and Projects:** <https://github.com/VahidMostofi/my-tools>

PROGRAMMING LANGUAGES / FRAMEWORKS / TECHNOLOGIES

- **What I have been using mostly in past three years:** Go, Java, Python, Javascript-Node, SQL, AWS, Docker, Spark, Keras, Data Science related Python libraries, Kubernetes, Docker, Linux environment, Bash scripting