

Vahid Mostofi

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Calgary, CA

EXPERIENCE

- **Advertiise** Calgary, CA
Freelance Backed Developer Feb 2021 - Apr-2021
 - **Backend Developer:** Finalizing and maintenance of the REST API based backend.
 - **DevOps:** Implementing the CI/CD pipeline.
 - **Languages and Technologies:** NodeJS, GitLab, MongoDB, Heroku.
- **AlgoFactory** London, UK
Freelance Model Developer Aug 2020 - Nov-2020
 - **Developer:** Development and implementation of auto-trading algorithm based on **financial data** in QuantConnect platform.
 - **Infrastructure:** Improve the performance of offline testing using containerization.
 - **Languages and Technologies:** Python, Docker, QuantConnect.
- **Rahnema** Tehran, IR
Freelance Backend Developer Apr 2019 - Jul 2019
 - **Backend Developer:** Designing and developing of an Applicant Tracking System.
 - **DevOps:** Implementation of CI/CD pipeline for separate backend and frontend deployment.
 - **Languages and Technologies:** OAuth2.0, Java Spring Boot, MySQL Database, Nginx.
- **Rahnema** Tehran, IR
Machine Learning Internship Nov 2018 - Mar 2019
 - **Recommendation System:** Designing and Development a recommendation system for a push notification app as part of a group.
 - **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. Video of a sample game available at Youtube.

EDUCATION

- **Master of Computer Engineering** Sep. 2019 – (expected: Summer 2021)
University of Calgary Calgary, CA
 - **Microservice Configuration Tuner:** Design and Implementation of a microservice based application performance optimizer (developed in **Go**).
 - **Custom Kubernetes Autoscaler:** Design and Implementation of a Kubernetes autoscaler (developed in **Go**).
- **Master of Computer Engineering** Sep. 2017 – Aug. 2019
Shahid Beheshti University Tehran, IR
 - **Generating Heterogeneous Graphs:** Generating heterogeneous graphs exploiting **Deep Generative Models** (GAN) using **Tensorflow**, **Keras**.
- **Bachelor of Science in Computer Science** Sep. 2011 – Feb. 2016
University of Tehran Tehran, IR

NOTABLE SIDE PROJECTS

- **Nginx wrapper for monitoring http requests:** Spring 2021, A pluggable wrapper on Nginx that enables monitoring and reporting HTTP request information (i.e. response times, status) through **Telegraf** to different outputs.
- **Distributed Link Prediction using Node Embedding:** Fall 2019, Design and implementation (using **Apache Spark**) of an algorithm for distributing the process of node embedding to achieve link predication in **large graphs** (available at github)
- **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 and physically stable. (available at github)

PROGRAMMING LANGUAGES / FRAMEWORKS / TECHNOLOGIES

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