Martin Mirakyan

08 May 1997

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github.com/MartinXPN

Skills

- Algorithms
- Data structures
- Machine learning
- Back-end development
- Android app development

Programming Languages

C++   Java   python

Education

American University of Armenia (2015 - now)
AYB High School (2012 - 2015)

Tools, APIs, Libraries

General:
- Git, MySQL, Jira

Machine Learning:
- Tensorflow, Keras

Backend:
- Flask
- Django, Django REST framework

Android:
- RxJava, RxAndroid, Realm
- Retrofit, Glide, Gson
- Firebase SDK
- Android data binding library

Hobbies

Experience

Neural Networks

ML Engineer at YerevaNN
Worked on several open source NLP projects
<u>DIIN in Keras</u>: (ICLR Reproducibility challenge) Implementation of a neural network for natural language inference (NLI).
<u>R-Net in Keras</u>: Keras implementation of the complex neural network called R-net designed for question answering.
<u>Relation Classification</u>: Neural Network for classifying relations in biological data.
<u>Word Segmentation</u>: Morphological analysis of words for obtaining better word-vectors.
2017 July - Now

ML Engineer at PicsArt
Created ML microservices with flask that included:
- Image tagging with Tensorflow
- Mature content detection with Tensorflow
- Image similarity service in a distributed environment
2016 July - 2017 May

Android

SpellNote - Hobby project
<u>Source code on Github</u>   <u>App on Google Play</u>
Multi language SpellChecking and note taking application
Technologies used: Realm, Firebase, Retrofit, RxJava
Paradigms: MVVM with data binding
2016 - 2018

Android developer at Enoram (Upwork)
Created several internal monitoring tools
Technologies used: Bitbucket, Jira, Firebase, RxJava
Paradigms: MVVM with data binding
2017 Jan - 2017 May

Facebook Internship

Full Stack Development internship
Worked on internal tool for monitoring the viewability of advertisements (Ad measurement team)

Technologies used:
- Front-end - React.js, Redux, TypeScript - UI of the tool
- Back-end - Hack - DB queries and logic of the tool
- Machine learning - Python FBLearner - Predict ad-viewability score
2018 Summer

Awards

Competitive Programming

ACM ICPC
Participated in the regional stage of the ACM ICPC competition
2015, 2016, 2017, 2018

International Olympiad in Informatics (IOI)
Participated in the international olympiad in informatics
2015

Presidential Award
Best High School Student, Annual Educational Award of RA President in IT sphere
2014