

Sasha Illarionov



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in/sdll

WORK EXPERIENCE

Google

Google Summer of Code Student Developer

Ported state-of-the-art models for semantic segmentation, image classification and text detection to TensorFlow.js, designing high-level APIs for JavaScript developers. Optimized a feature pyramid network for text detection to mobile platforms. Uncovered and investigated performance issues of TensorFlow 1.14 Estimator & Data APIs.

May 2019 – Aug 2019

Remote

sdll.io/tfjs-model-garden

TypeScript,

TensorFlow.js,

TensorFlow,

GCP AI Platform

Sberbank

Data Engineering Intern

Reduced insolvency alert lag to under 5 minutes by building a headless monitoring system. Parsed and massaged 300K+ historical insolvency records for a predictive financial health model.

Apr 2019 – May 2019

Moscow, Russia

Puppeteer, Redis,

AWS SES.

Dask, BeautifulSoup

PROJECTS

Maposh

Designed and implemented an open-source interactive map of community-ranked cafes, anti-cafes, social clubs, libraries and community centers. Engineered an auto-scaling serverless infrastructure on AWS, ensuring compliance with legal terms of Foursquare and MapBox APIs. Enabled continuous integration of the React-based front end on Netlify.

Jan 2019 – Apr 2019

staging.maposh.com

github.com/maposh-app

AWS DynamoDB,

GraphQL, React, Redux,

Styled Components

Lingofunk

Led the team of 3 software engineers and 2 machine learning researchers during a [selective intensive practicum](#), directing the product vision for 5 language-processing microservices. Trained a [sentiment classifier](#) and built the [Docker Compose backend](#) orchestrating 5 containers on GCP. Gave the final product demo to 10+ industry experts.

Feb 2019

github.com/lingofunk

Keras, Docker, Django,

GCP Compute Engine

EDUCATION

National Research University Higher School of Economics

B.Sc. Applied Mathematics & Informatics (GPA: 8.02 / 10.0)

Built a prototype of a learning agent solving problems with a well-defined numeric incentive by constructing task hierarchies.

Sep 2017 – Jun 2021

Moscow, Russia

github.com/sdll/arler

University of Toronto, St. George Art & Science Faculty

B.Sc. Pure Mathematics Specialist (GPA: 3.56 / 4.00)

Spearheaded the Universal Math UMU study group, planning weekly agenda and researching opportunities of academic enrichment.

Sep 2016 – May 2017

Toronto, Canada

umus.github.io

INTERESTS

- computer vision & natural language processing at the edge
- SaaS bootstrapping & product management