ALEKSANDR KORSHUNOV

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SUMMARY

Software Engineer. Enthusiastic and meticulous. 3+ years of
experience. Develop and maintain 80% code-involved projects
of national transport models division.

WORK EXPERIENCE

>>> Israel

Software Engineer at Ayalon Highways   Aug 2017 - present
- developing mesoscopic Tel-Aviv model
  with dynamic traffic assignment (Dynameq, Python)
- developed Park&Ride transport model (TransCAD, GISDK)
- automated GIS data processing procedures used
  as input/output for transportation models (Python)
- implemented calibration algorithms for macroscopic
  Tel-Aviv model (Python)
- fully automated transport network export from Emme
  package to Dynameq (Python)

>>> Russia

Transportation Engineer at NAPDS   Sep 2013 - Jul 2017

EDUCATION

- Data Science and Machine Learning   2019 - 2020
  Yandex School of Data Science YDATA (Israel)

- M.Sc. in Information Systems and Technologies   2015 - 2017
  Siberian Transport University (Russia)

- B.Sc. in Civil Engineering   2011 - 2015
  Siberian Transport University (Russia)

SKILLS

- Languages: Python, C#, Bash, GISDK
- DevOps: Linux, Git, Docker, AWS
- Data Science: Numpy, Pandas, Scikit-learn, PySpark, Tensorflow
- Transport software API: EMME, Dynameq, TransCAD, Aimsun, SUMO

EXTRACURRICULAR ACTIVITIES

- madrich at Jewish Agency for Israel (2017)
- volunteer at Olympic Games (2014), Formula 1 (2015),
  Universiade (2013, 2017), and other events
- captain of youth professional football team (2006 - 2008)

LANGUAGES

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Hebrew:       basic
English:      advanced
Russian:      native
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