

ALEKSANDR KORSHUNOV

Phone: +972-50-48-50-222
Email: aleks.corshunov@gmail.com
Website: corshunov.com
LinkedIn: linkedin.com/in/corshunov
GitHub: github.com/corshunov

SUMMARY

Software Engineer. Develop and maintain 80% code-involved projects of Israel national transport models division.

WORK EXPERIENCE

>>> Israel

Software Engineer at Ayalon Highways Aug 2017 - present

- developing mesoscopic Tel-Aviv model with DTA (Dynameq, Python)
- developed Park&Ride model that will be used for defining P&R locations across Israel (TransCAD, GISDK)
- automated GIS data processing procedures used as input/output for transportation models (Python)
- implemented calibration algorithms for macroscopic Tel-Aviv model that improved model/real traffic times fit by 25% (Emme, Python)
- fully automated transport network export from Emme package to Dynameq (Emme, 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)
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SKILLS

- Languages: Python, C#, Bash, GISDK, NSIS
 - DevOps: Linux, Git, Docker, AWS
 - Data Science: Numpy, Pandas, PySpark, Tensorflow, Scikit-learn
 - Transport software: EMME, Dynameq, TransCAD, SUMO, Aimsun
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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 regional youth football club (2006 - 2008)
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LANGUAGES

Hebrew: basic (ulpan bet)
English: advanced
Russian: native