

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

WORK EXPERIENCE

>>> Israel

Software Engineer at Ayalon Highways

2017 - present

- maintaining macroscopic Tel-Aviv metropolitan model (Emme, Python)
- developing mesoscopic Tel-Aviv metropolitan model (Dynameq, Python)
- automating GIS data processing procedures used as input/output for transportation models (PySpark, Azure Databricks, pandas)
- developed national Park&Ride model (TransCAD, GISDK) including model logic, GUI as well as CI/CD
- implemented calibration algorithms for macroscopic Tel-Aviv metropolitan 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

2013 - 2017

EDUCATION

- DevOps course by OpsSchool 2021 - finish in 2022
- YDATA program by Yandex School of Data Science 2019 - 2020
- MSc. Information Systems 2015 - 2017
- BSc. Civil Engineering 2011 - 2015

SKILLS

- Languages: Python, GISDK, NSIS
- DevOps: Linux, Git, Docker, Kubernetes, AWS, CI/CD, Jenkins, Terraform, Ansible, Consul
- Data Science: numpy, pandas, PySpark (Azure Databricks), tensorflow, scikit-learn
- Transport software: EMME, Dynameq, TransCAD, SUMO, Aimsun

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)

LANGUAGES

Hebrew: basic
English: advanced
Russian: native