Egor **Karpov**

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Education

National Research University Higher School of Economics   *Moscow, Russia*
BACHELORS IN APPLIED MATHEMATICS AND COMPUTER SCIENCE   *Sep. 2019 - Jul. 2023 (expected)*
- Algorithms and Data Structures
- Linear Algebra, Group Theory, Probability Theory, Mathematical Statistics, Discrete Math, Calculus
- English (B2, upper-intermediate)

State School #57   *Moscow, Russia*
HIGH SCHOOL IN APPLIED MATHEMATICS   *Sep. 2016 - Jun. 2019*

Work Experience

Google, VirusTotal   *Remote*
STEP INTERN | GOOGLEINTERNS/VT-USAGE   *Jul. 2020 - Sep. 2020*
- Developed a web application using FastApi and deployed it to GAE (Google App Engine)
- Provisioned an easily manageable hybrid infrastructure (Google Cloud) utilizing IaC(Infrastructure as Code) tool Terraform.
- Installed and configured SIEM system consisting of Wazuh Agent+Manager, Elasticsearch, Kibana.
- Developed custom data enrichment scripts for Wazuh using VirusTotal API.

Yandex.Translate   *Moscow, Russia*
APPRENTICE DEVELOPER   *Jan. 2020 - Jun. 2020*
- Developed, launched and maintained translation of documents with downloading in the original format. (Python, Tornado, Docker)
- Made several infrastructure changes to improve efficiency and block robots.
- Communicated with other teams to build internal integrations.

Personal Projects

Order Tracker
FLASK WEBAPP CREATED AS A GROUP PROJECT | KARPP/ORDERTRACKER
- Developed a web application that simplifies communication between business and customers, allows to track the status of order readiness.
- Led a sub-team of 5 people.
- Python3, Flask, Jinja, JS.

Quiz Solver
SOLUTION FOR 1-DAY KAGGLE COMPETITION | KARPP/VK-CLEVER-CONTEST
- Studied the word2vec tool and with its help created a program that answers questions in a quiz with multiple choice answers analyzing the semantics of the question and Wikipedia articles on this topic.

Honors & Awards

2020	**Participant – 60th of 250**, Google internal HashCode for Interns	*International*
2019	**Winner – 33th of 435**, School Olympiad in Informatics	*Moscow, Russia*
2019	**Winner – 11th of 230**, "Lomonosov" Olympiad in Informatics	*Moscow, Russia*
2018	**Participant – 15th of 150**, School CTF	*Moscow, Russia*

Extracurricular activities

2020-2021	**Teacher Assistant**, Algorithms and Data Structures	*HSE University*
2019-2020	**Volunteer Organizer**, Competitions for School Children	*Math Edu Center*
2017-2019	**Teacher**, Evening Math School	*State 57th School*