



RAVSHAN HOJIMATOV

Software Engineer

SKILLS

Python	7+ yrs
MATLAB/R	7+ yrs
C++/CMake	≤2 yrs
Golang	<1 yr
Linux/Bash	10+ yrs
Git/Docker	7+ yrs
SQL/MongoDB	2+ yrs
CI/CD Pipelines	1+ yr
HTML/CSS/Bootstrap	7+ yrs
numpy/scipy/numba	4+ yrs
Django/Flask	4+ yrs
asyncio	1+ yr
OpenCV	<1 yr

CONTACT

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WORK EXPERIENCE

Software Developer

Dec 22 - present

Entwicklerburg LLC, Bishkek, Kyrgyzstan

Led a team of software developers in the field of automation. Connected services in *Python* and *C++* via *API* and *Protocol Buffers*, wrote my own serialization protocols. Jump-started *CI/CD* activities (by migrating from *Visual Studio* to *CMake* build tools, *Bash/PowerShell* scripting and *Bitbucket Pipelines*). Worked on a *Computer Vision* project for object detection from aerial imagery.

Modeling and Simulations Developer

Oct 19 - Oct 22

Digital Age Research Center, Klagenfurt, Austria

Developed a simulation framework to model the diffusion of knowledge and spreading of norms in social networks in organizations. Wrote a *Python* library *npack* for modeling complex systems. Achieved up to 30x speed boost in runtime using *vectorization* and *just-in-time* compilation. Experimented with *CUDA*.

Web developer/Quantitative modeler

Sep 17 - Sep 19

Freelance/Remote

Wrote *R* packages for an algorithmic trading firm, jump-started an investor dashboard project in *Django*, created simulation models for utility crypto tokens, assisted a machine learning for economists university course.

Backend developer

Jul 16 - Jun 17

Devoin SDS, Istanbul, Turkey

Wrote scrapers for a *Ruby on Rails* project, managed *PostgreSQL* database, built *REST API* to connect the *Rails* app to a machine learning module written in *Python*.

EDUCATION

B.A. and M.A. Economics.

2011 - 2019

Boğaziçi University, Turkey

Master's Thesis: developed a simulation framework to compare different financial investment strategies in *R*. GPA 3.53