

# Dmitry Khorkin

 Github |  LinkedIn |  Mail |  Telegram

## SUMMARY

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Male, 26 y.o. I have 6+ years of programming experience in different domains. I'm constantly learning. I have a strong scientific background, extensive knowledge in a wide range of technologies, includes computer science, machine learning and web. I love to solve complex problems and explain it by using cool visualizations. I love to build wonderful products with people for people

## WORK EXPERIENCE

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### Evidently AI, Software Engineer




1+ year: September 2023 - Present

- Led UI development of two related projects: evidently open source library ([demo website](#), [github](#)) and evidently [cloud](#) (from scratch)
- Accelerated the initial loading of the pages by eliminating network waterfall
- Improved reliability and time of developing new features by implementing custom process of synchronization backend api and client api from scratch
- Improved testing process by creating e2e tests via [playwright](#)

Stack:  React,  MUI,  Python,  Docker,  Github Actions







### INPoint LLC, Software Engineer

3.25 years: March 2020 - April 2022, Nov 2023 - May 2023

- Developed the backend of [Ommie](#), a minimalistic social network to share inspiring personal stories. [Stanford writes](#) about us
- Stack:  AWS,  Node.js,  MySQL
- Helped to migrate polaris adventures's [website](#) from vanilla React (spa) to Remix (ssr) framework. Implemented session functionality. Accelerated the initial loading of the pages (LCP and other metrics) by ~ **2.14** times

Stack:  AWS,  React,  Remix,  Typescript,  Redis,  Docker,  MySQL

- Integrated the CRM system into the bank's existing business processes. Managed the release process. Communicated with many teams, includes front/back development, devops, and security. Created the prototype to automate the process of copying and creating a complex CRM's data model based on the DFS algorithm, which saved ~**3** days for each deployment on new environment

Stack:  Django,  Python,  Node.js,  Kafka,  Docker,  PostgreSQL

- Developed backend of Etra's web platform to automate the selection of heat exchangers, including the core of the system: algorithms for the heat calculation. Communicated with customer engineers in order to map physics they understand to algorithms and code. Developed the entire infrastructure, custom backend & frontend deployment systems

Stack:  SelectEl,  Node.js,  Python,  MySQL

### UNN, junior researcher

September 2019 - August 2022

Researcher at [Department of Control Theory and Dynamic Systems](#). I have expanded the boundaries of human knowledge about the synchronization process in the field of nonlinear dynamics. Several of my works were published in Q1 journals (see the 'Publications' section below)

Some presentations about my work: Bachelor: [english/russian](#) thesis. Master: [english/russian](#) thesis

## EDUCATION

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2020 - 2022 [ML developer](#) & partly [big data infrastructure](#) at MSc equivalent [yandex school of data analysis](#)







2020 - 2022 Master's Degree with honors at [UNN, itmm, Artificial Intelligence](#) (GPA: 3.77/4.0)


2016 - 2020 Bachelor's Degree at [UNN, itmm, Applied Math and CS](#) (GPA: 3.68/4.0)


## SKILLS






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Programming languages:  javascript/typescript  python,  C/C++,  go,  haskell (a [bit](#))

Web: SSR:  Remix, Front:  html/css,  React,  Mui, Back:  Node.js,  Express

Tools:  Git,  Docker,  Node.js,  Github Actions

Storages:  MySQL,  PostgreSQL,  MongoDB,  S3,  Redis

Computer Science:  Algorithms,  Operating Systems Internals,  Concurrency  Asynchronous programming,  Distributed Systems (fundamentals)

## PET-PROJECTS

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### Vectorfields

[Deployment](#), [Source code](#)

Visualization of 2D vector fields in browser

### Rotary States

[Source code](#)

The minimalistic library for finding rotational modes in ODE systems

### JS Promises

[Source code](#)

Implementation of promises in javascript

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See all projects on my [Github](#)

## PUBLICATIONS

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Khorkin, Dmitrii S et al. (2020). "Phase control for the dynamics of connected rotators". In: *Automation and Remote Control* 81, pp. 1499–1506. URL: <https://doi.org/10.1134/S0005117920080111>.

Khorkin, Dmitry S. et al. (May 2021). "Synchronization structures in the chain of rotating pendulums". In: *Nonlinear Dynamics* 104.3. URL: <https://doi.org/10.1007/s11071-021-06419-x>.

Munyaev, Vyacheslav O. et al. (June 2021). "Appearance of chaos and hyperchaos in evolving pendulum network". In: *Chaos: An Interdisciplinary Journal of Nonlinear Science* 31.6. URL: <https://doi.org/10.1063/5.0044521>.

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See all publications in LinkedIn's [publications](#)