

Andriy Stasyuk

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ML Engineer — Educator & Coach — Competitive Programmer

Musician — Dropout MD 🇺🇦

Snowflake Bellevue, WA 02/2023–05/2024

[Cortex & ML functions](#) — AutoML for tabular data

Google New York, NY → WA 10/2014–01/2023

Pixel watch — ML for fall detection 11/22–01/23

[Gradient Ventures](#) Startup Resident 07/20–10/22

- [Mine](#) — privacy-focused recommender system
- Head of ML @ [TypingDNA](#) — [continuous auth](#) & [emotion recognition](#) via keystroke dynamics

YouTube Music 10/18–07/20

- Radio recommendations — track relevance modeling, data collection, experiment design

[Magenta](#) / ML Ninja 🧙 01/18–10/18

- Generative AI, speech and music synthesis
- Distributed processing for [MAESTRO](#) dataset

Google Maps 10/14–01/18

- Reengineering lifecycle management of *all* external user edits to scale up moderation

Microsoft Redmond, WA 10/2011–09/2014

.NET Native Toolchain 05/14–09/14

- Running managed apps without the runtime

Managed Languages 09/12–05/14

- Asynchronous code [debugger](#) for Visual Studio
- [Roslyn](#), C# / Visual Basic compiler platform

Visual Studio, Project & Build 10/11–09/12

- Tooling for fuzz, scalability, endurance testing

Deutsche Bank St. Petersburg, RU 08–09/2011

AVP @ Global Tech Capital — FX trading platform

Broadridge St. Petersburg, RU 08/2008–07/2011

[Portfolio Master](#) — derivative price modeling

Prostobank Kyiv, UA 10/2007–08/2008

Architect for consumer finance analytics backend

Freelancer 03/2007–11/2007

Poker probability calculator, heavily optimized

iLevel Software London, UK 11/2005–10/2006

Content and document management system

Anahoret Donetsk, UA 02/2004–06/2004

Full-stack web development projects

PAPER TRAIL

- Enabling Factorized Piano Music Modeling and Generation with the [MAESTRO](#) Dataset. [\[arXiv:1810.12247\]](#) [ICLR'19](#) oral, *top 1.5%*
- Patents: 🇺🇸 [US10545852B2](#) [US10078575B2](#)
🇪🇺 [EP2972881B1](#) 🇨🇳 [CN105308578B](#)
🌐 [WO2014159147A1](#)
- Async Causality Chain Tracking. [\[MSDN\]](#)

TEACHING ML & CS

Google and [CapitalG](#) startups (up to 80+ students):

- [Recommendation systems](#)
- [ML crash course](#)
- [ML problem framing](#)
- Sequence models
- [Data preparation](#)
- [Introduction to ML](#)

Regional team coach:

- Competitive programming
- Data structures & algorithms

K-12:

- Intro to CS
- AP CS

CONTESTS

[Olympiads in Informatics](#):

🇰🇷 International	South Korea 🏆 3 rd —'02
🇺🇦 National	🏆 2 nd —'02, 🏆 2 nd —'01
Regional	🏆 1 st —'02, 🏆 2 nd —'01, 🏆 3 rd —'00

[ACM ICPC](#):

🇷🇺 SE Europe	România 9 th —'03, 10 th —'02
🇺🇦 National Cup	🏆 1 st —'03, 🏆 3 rd —'04
🇺🇦 National	🏆 3 rd —'04, 🏆 3 rd —'03, 🏆 3 rd —'02
Regional	🏆 1 st —'04, 🏆 1 st —'03

Problem setter, jury, coach:

🇺🇦 National Olympiad in Informatics	2003–2007
🇺🇦 National Cup	2003–2004

EDUCATION

St. Petersburg Mining University St. Petersburg, RU

- Computer Engineering 2008–2010

Donetsk National Medical University Donetsk, UA

- *General Medicine* 🇺🇦 2004–2008

Donetsk National Technical University Donetsk, UA

- Computer Engineering & System Programming 2002–2007