

Andriy Stasyuk

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ML Engineer — Educator & Coach — Competitive Programmer — Dropout MD 🇺🇦

Snowflake Bellevue, WA 02/2023–present

Cortex — AutoML functions 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 reclaim recommender system
- *Head of ML* @ TypingDNA — continuous auth & emotion recognition via keystroke dynamics

YouTube Music 10/18–07/20

- Song relevance modeling & dataset acquisition
- Collaborative filtering for radio recommendations

Magenta / ML Ninja 🧙 01/18–10/18

- Distributed processing for MAESTRO dataset
- Generative audio synthesis, reharmonization

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

- Async / await debugger in Visual Studio
- Roslyn, C# / Visual Basic compiler platform

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

- 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

- Architected consumer finance analytics backend

Freelancer.com 03/2007–11/2007

- Poker probability calculator, heavily optimized

i.LEVEL London, UK 11/2005–10/2006

- Content and document management system

Anahoret Donetsk, UA 02/2004–06/2004

- Full-stack web development

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 🥉 3rd—'02
- 🇺🇦 National 🥈 2nd—'02, 🥈 2nd—'01
- Regional 🥇 1st—'02, 🥈 2nd—'01, 🥉 3rd—'00

ACM ICPC:

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

Problem setter, jury, coach:

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

EDUCATION

NW State Technical University St. Petersburg, RU

- Computer Engineering 2008–2010

Donetsk National Medical University Donetsk, UA

- *Medicine* 🇺🇦 2004–2008

Donetsk National Technical University Donetsk, UA

- Computer Engineering & System Programming 2002–2007