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	🥉 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, judge, 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