Andriy Stasyuk

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Engineer — ML Ninja & Educator — Competitive Programmer — Dropout MD

Google   *New York, NY→Kirkland, WA*   **since 2014**

Gradient Ventures Startup Resident .... Jul'20–now
- DS / ML Eng @ Mine, data reclaim recommender
- Head of ML @ TypingDNA, using keystroke dynamics to authenticate and predict emotions

YouTube Music .... Oct'18–Jul'20
- Rating collection design & relevance modeling
- Collaborative filtering for radio recommendations

Magenta / ML Ninja 🥷 .... Jan'18–Oct'18
- Aligned 200+ hours of MIDI / audio for MAESTRO
- Piano synthesis via a generative speech model
- Reharmonization model trained on "fake books"

Google Maps .... Oct'14–Jan'18
- Reengineering lifecycle management of *all* external map edits to scale up moderation

Microsoft   *Redmond, WA*   **2011–2014**

.NET Native Toolchain .... May'14–Sep'14
- Making managed apps run w/o .NET runtime

Managed Languages .... Sep'12–May'14
- Async causality debugger in Visual Studio
- Roslyn, C# / Visual Basic compiler platform

Visual Studio, Project & Build .... Oct'11–Sep'12
- Fuzz, scalability, endurance testing

Deutsche Bank   *St. Petersburg, RU*   **2011**

Assistant VP, Global Tech Capital .... Aug'11–Sep'11
- Reimplementing the FX trading platform

Broadridge   *St. Petersburg, RU*   **2008–2011**

Paladyne Portfolio Master .... Aug'08–Jul'11
- Price modeling for derivative securities
- Continuous integration; 20x build speedup

Prostobank   *Kyiv, UA*   **Oct'07–Aug'08**
- Architected the core data management backend

Freelancer.com   **Mar'07–Nov'07**
- Poker probability calculator, heavily optimized

i.LEVEL   *London, UK*   **Nov'05–Oct'06**
- Content and document management system

Anahoret   *Donetsk, UA*   **Feb'04–Jun'04**
- 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+ people):
- Recommendation systems
- ML crash course
- ML problem framing
- Sequence models
- Data preparation
- Introduction to ML

Schools and regional teams:
- Competitive programming
- Data structures & algorithms
- Intro to 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

TECHNOLOGY

TensorFlow   Python   C++   C#

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 Eng. & Sys. Programming 2002–2007