

Andriy Stasyuk

[linkedin.com/in/stasyuk](https://www.linkedin.com/in/stasyuk)

and.stasyuk@gmail.com

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](https://arxiv.org/abs/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