

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

- Privacy reclaim recommender system for [Mine](#)
- Head of ML @ [TypingDNA](#), [continuous auth](#) and [emotion recognition](#) using [keystroke dynamics](#)

YouTube Music Oct'18–Jul'20

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

Magenta / ML Ninja 🧙 Jan'18–Oct'18

- Distributed processing pipeline to align 200+ hours of audio / MIDI for the [MAESTRO](#) dataset
- Generative audio synthesis, reharmonization

Google Maps Oct'14–Jan'18

- Reengineering lifecycle management of *all* external user 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 / await](#) 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