

# 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

- Track 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* 🥉 3<sup>rd</sup>—'02
- 🇺🇦 National ..... 🥈 2<sup>nd</sup>—'02, 🥈 2<sup>nd</sup>—'01
- Regional ..... 🥇 1<sup>st</sup>—'02, 🥈 2<sup>nd</sup>—'01, 🥉 3<sup>rd</sup>—'00

[ACM ICPC](#):

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