

# Andriy Stasyuk

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🔧 Engineer — ML Ninja & Educator — Competitive Programmer — Dropout MD 🧑🏻

## Google

New York, NY → Kirkland, WA 🏠

[Gradient Ventures](#) Startup Resident ..... Jul'20–...

- 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

.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

Saint Petersburg, RU

AVP, Global Tech Capital ..... Aug'11–Sep'11

- Reimplementing the FX trading platform

## Broadridge / Paladyne

Saint Petersburg, RU

Portfolio Master ..... Aug'08–Jul'11

- Derivative securities price modeling
- 20x speedup to team build process

**Prostobank** ..... Kyiv, UA Oct'07–Aug'08

- Architected a data management backend

**Freelancer.com** ..... Earth 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

Google and [CapitalG](#) companies (up to 80+ people):

- [Recommendation systems](#)
- [ML crash course](#)
- [ML problem framing](#)
- Sequence models
- [Data preparation](#)
- [Introduction to ML](#)

K-12:

- Competitive programming
- 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:

- 🇺🇦 National Olympiad in Informatics ..... 2003, '05, '07
- 🇺🇦 National Cup ..... 2003, '04

## TECHNOLOGY

TensorFlow      Python      C++      C#

## EDUCATION

NW State Technical University      S. Petersburg, RU

- Computer Engineering ..... 2008–10

Donetsk National Medical University      Donetsk, UA

- *Medicine* 🏥 ..... 2004–08

Donetsk National Technical University      Donetsk, UA

- Computer Engineering ..... 2004–07
- System Programming ..... 2002–04