Andriy Stasyuk

linkedin.com/in/stasyuk — and.stasyuk@gmail.com

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 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 2003–07
- 🇺🇦 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 Eng & System Programming 2002–07