

Links

GitHub: ndsergeev
LinkedIn: ndsergeev
Behance: ndsergeev

Technical Skills

Programming Languages:

Python: Houdini API, PySide2, NumPy, Pandas;
C++: Qt, OpenCV;
TEX; Shell: scripting; **Swift:** iOS UI;

3D Editors:

Houdini: Crowds, Modelling, Particles;
Maya: Modelling, Retopology, UV Unwrapping, Rigging, Animation;
Blender: Modelling, Retopology, UV Unwrapping;
ZBrush: Sculpting;

Surfacing:

Substance Painter, Designer, Photoshop;

Character Setting up for Games:

Unity: Char. Setup, C# Scripting,
Unreal Engine 4: Char. Setup;

Video Editing:

After Effects, Premiere Pro.

Education

02/19 - now **UTS**
MSc of IT (Extension): Software Development, (GPA: 3.63/4) on August 2019;

09/18 - now **NRU HSE, Moscow**
MSc in Big Data Systems, (GPA: 9.02/10) on August 2019;

09/14 - 06/18 **NRU HSE, Moscow**
BSc in Information Science and Computation Technology: Computing systems and networks, (GPA: 3.87/4);
Thesis: **"Development of A Gamified Augmented Reality System: Towards an Exposure Therapy for Animal Phobia."**

Experience

08/18 - 01/19 **CGF LLC: Junior Technical Director at Crowd Department**

- Created shots with pedestrians for two films (Houdini Crowds & VEX);
- Developed tools for Crowd Department pipeline on base of PySide2 & 'hou' Houdini Python API. Routine automatization.

07/17 - 07/17 **ILIT RAS: Design Engineer Internship**

- Developed **3D model** and drawing of holder and a positioning mechanism for attaching device;
- Introduced to ILIT RAS staff modern approaches of a drawing development in AutoCAD.

09/15 - 06/17 **NRU HSE, Moscow: Assistant & Workshop Lecturer**
Taught freshmen Engineer Graphics in

- AutoCAD (2D/3D modeling, drawing in GOST style);
- Fusion 360 (Sketching, Solid-, Patch-, T-Spline modeling, Stress & Thermal Simulations, Rendering & Drawing, 3D Printing). It is enough to pass **Autodesk certification exam**. Students' outcome examples: **1, 2, 3, 4.**

07/16 - 08/16 **Copter Express: Design Engineer & Industrial designer**

- Created several designs of charging station in Fusion 360, **available 3D sketch;**
- Took part in **prototype** assembling.

Certifications

- **Certificate:** Mathematics for Machine Learning: Linear Algebra;
 - Autodesk Certified User: Fusion 360;
 - Autodesk Certified Instructor;
 - **Certificate:** Applied Computer Science. Git;
 - **Certificate:** Advanced programming in C/C++ language;
 - **Certificate:** Computer graphics: the basics;
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Other

- **Co-founder of Virtual and Augmented Reality club at HSE, Moscow.** Supporting it for two years (lecturers invitations and hackathon organization): *event management skills*;
- **Co-organized Autodesk Forge hackathon** on April 6-8, 2018: *event management skills*;
- **Autodesk Student Ambassador;**
- **Autodesk Fusion 360 Slam, Moscow participant:** *Fusion 360 skills*;
- **CROC's School of IT solutions program participant:** *Agile project management skills*;
- **Kaspersky Start accelerator participant:** *OpenCV with C++ programming and Agile project management skills.*