

## Links

**GitHub:** ndsergeev  
**LinkedIn:** ndsergeev  
**Behance:** ndsergeev

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## 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, Unreal Engine 4;**

### Video Editing:

**After Effects, Premiere Pro.**

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## 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 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.

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## 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:** *project management skills*;
- **Kaspersky Start accelerator participant:** *OpenCV, C++ programming and project management skills.*