

## Links

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

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## Skills

### Programming Languages:

**Python:** Houdini API, PySide2, NumPy, Pandas;  
**C++:** Qt, OpenCV;  
**Python:** 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 Set-up in Game Eng-s:

**Unity, Unreal Engine 4;**

### Video Editing:

**Adobe After Effects, Premiere Pro.**

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## Education

02/19 - now **UTS**  
**MSc of IT (Extension): Software Development**

09/18 - now **NRU HSE, Moscow**  
**MSc in Big Data Systems**

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

07/17 - 07/17 **ILIT RAS: Design Engineer Internship**  
• Developed the **3D model** and drawing of the holder and a positioning mechanism for attaching the 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). That 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 Fusion360, **available 3D sketch;**  
• Participated in assembling of the **prototype.**

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## Other

- One of the *founders* of the **Virtual and Augmented Reality club at the Higher School of Economics**. Supported it for two years (lecturers invitations and hackathon organization): *event management skills*;
- Was one of the *organizers* of the **Autodesk Forge hackathon** organizers on April 6-8, 2018: *event management skills*;
- **Autodesk Student Ambassador**;
- **Autodesk Fusion 360 Slam, Moscow participant:** *Fusion360 skills*;
- **CROC's School of IT solutions program participant:** *project management skills*;
- **Kaspersky Start accelerator participant:** *OpenCV, C++ programming and project management skills.*