

# Grégoire DUPONT de DINECHIN – PhD, Engineer

R&D Engineer – TechViz – Paris, France



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🌐 [greg3dinechin.com](http://greg3dinechin.com)

Unity3D

C#

C++

Python

Computer graphics

Virtual reality

## Languages

Native/fluent

Intermediate

French

English

Spanish

## Experience

**R&D Engineer @ TechViz** – 01/2021-Ongoing Paris, FR

I am currently working on VR and real-time 3D at TechViz.

**Skills:** C++, Git.

**PhD candidate @ MINES ParisTech, PSL University** – 09/2017-12/2020 Paris, FR

I implemented and evaluated image-based rendering methods for bringing real-world objects into virtual reality, which I made available as open-source tools for the Unity game engine. I also reviewed and published research in international conferences, and was teaching assistant and speaker for university-level courses.

**Skills:** Unity, C# and GPU programming with shaders, compatibility with OpenGL/DirectX, Python for deep learning, VR UX research, scientific literature reviews, view-dependent rendering from photographs, photogrammetry and 3D reconstruction.

**R&D Intern @ Rakuten Institute of Technology** – 03/2017-09/2017 Paris, FR

I developed and evaluated two proof-of-concept virtual reality experiences for the retail and sports industries, as an intern in the R&D section of Rakuten.

**Skills:** VR application development (Unity, C#), collaborative code projects with Git.

**Research Intern @ RWTH Aachen University** – 06/2016-10/2016 Aachen, DE

I developed a virtual driving simulator and led a user study as part of research on training for semi-autonomous car driving in virtual reality.

**Skills:** VR application development (C++, Unity, C#), UX research.

## Education

**PhD** – Virtual reality, image-based rendering

2017-2020 @ MINES ParisTech, PSL University

**Engineer's Degree** – Master's Degree in Science and Executive Engineering

2014-2017 @ MINES ParisTech, PSL University (École d'Ingénieurs)

2012-2014 @ Lycée Privé Sainte-Geneviève (Prépa MPSI/MP\*)

**French General Baccalaureate** – Scientific Section, British International Option (OIB)

2009-2012 @ Institut Fénélon (International section)