Lucas LEROY

- ℹ 23 May 1995
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Languages

French Native language
English Fluent
German Beginner
Russian Beginner

Computing

Languages : Caml, Pascal, Python, Mapple, Mathlab, Java, PHP, C, Fortran, IDL, Ruby, HTML

Sofware: Git, Doxygen, Unreal Engine, Blender

Office: Word, Excel, Power Point, Latex

Hobbies

Sports : Basketball, Competitive Football 9 years, Tennis 5 ans, Regional Competitive Cross-Country running, French University Rowing Championship, Table Tennis 2 years, Badminton, Skiing, Snowboarding, Windsurfing

Musics: Piano, Guitar, Drums, Bass Guitar

Trips: UK (London, resident 1 year), USA, Italy, Poland, Spain, Turkey, Tunisia

Divers

French Driving License (Permis B)

Graduate Engineer, PhD in Astrophysics

Education

2019-2020	Université de Paris	Paris (France)
	Master Degree in Astronomy, Astrophysics and Space Engineering	
2015-2019	CentraleSupélec	Gif-sur-Yvette (France)
	Engineer Degree CentraleSupélec	
2017-2018	Imperial College London, Department of Mathematics	London (United Kingdom)
	Master of Science in Applied Mathematics	
2016-2017	Pépite France (Pépite Bretagne)	Rennes (France)
	Student Entrepreneur Award	
2012-2015	Lycée Saint-Stanislas	Nantes (France)
	French 'Classes Préparatoires aux Grandes Écoles', MPSI, MP Computer Science specialisation	

Work Experience

2020-2023	CEA - IRFU - DAp	Saclay (France)
	PhD on galaxy evolution and galaxy properties	
2020-2021	Institut Staint-Marie	Antony (France)
	Mathematics Examiner in 'Classes Préparatoires aux Grandes Écoles', MP	
2020	CEA - IRFU - DAp	Saclay (France)
	Unveiling the hidden side of the first 3 billion years of galaxy formation (4 months Master Thesis)	
2019	CEA - IRFU - DAp	Saclay (France)
	Toward A Catalog Of Clusters Detected With Weak Lensing (6 months End of Studies Project)	
2018	Imperial College London	London (United Kingdom)
	Random Quantum Walk And Topological Phases (6 months Master Thesis)	
2017	Société Générale	Nantes (France)
	Retranscription and optimisation of financial Qualified Intermediaries transactions procedures for US market (3 months Internship)	
2016-2017	iFollow	Rennes (France)
	Prototype designer within an upcoming start up (10 months)	
2015	Société Générale	Nantes (France)
	Processing double taxation transactions. Development and modelisation of optimized and automatized protocols (1 month)	

Personal Projects

2024	Development of a RPG fan game (in progress)
2021	Development of a UI based video game (v 1.0)
2019	Université de Paris - Numerical simulation of a black hole accretion disk
2019	Designing, painting and assembling a Bass Guitare
2016	CentraleSupélec - Designing and assembling a Guitar Tuner
2014-2015	CPGE - Planet transit modelling - Pathfinding evolutionnary algorithm