DANIEL MARTINS ANTUNES
ENTRY LEVEL RESEARCHER IN IMAGE PROCESSING

About me

I am a young researcher with strong practical and theoretical skills in image processing, digital geometry, algorithms, optimization and code development. My studies lead me to three different countries, broaden my personal and professional skills and turn me in a very flexible person. After having a taste of academical research, I'm looking forward to collaborate with a dynamic team of research and development in the tech industry.

Key facts

PhD in Image processing and Optimization

Experience in USA, Brazil and France

Two publications in international conferences

Proficient C++ and Python coder

Fluent in English, French and Portuguese

Technical Skills

C++	Python	Image analysis
openCV	scikit–image	Mathematical optimization
cmake	scipy	Scientific communication
	numpy	Experiment validation
GIT		
Docker	Linux	
Test coverage	Shell script	

Values
Respect • Sincerity • Optimism

Soft Skills
Diligence • Critical thinking • Flexibility

Education

2016–2020	**PHD: DIGITAL GEOMETRY AND OPTIMIZATION**	
	Université Savoie Mont Blanc, France	

Thesis: Geometric constraints and variational approaches to image analysis.

2015–2016   MASTER: THEORETICAL COMPUTER SCIENCE

Université Paris–Est, France

Labex Bézout Scholarship holder.

2008–2014   BACHELOR IN COMPUTER SCIENCE

Universidade Federal do Rio de Janeiro, Brazil

Scholarship 2012–2013: University of Richmond, USA

Experience

2016–2020   PHD: DIGITAL GEOMETRY AND OPTIMIZATION

Université Savoie Mont Blanc, France

Propose and validate models for image analysis;
Write tech reports and conference papers;
Teach undergraduate topics in computer science.

Achievements: `Int. Conference Paper`   `Project magLac`   `Project DIPaCUS`   `Project BTOOLS`   `Project graph-flow`   `Project exhaustive-gc`

2016
Apr–Jun

RESEARCH INTERNSHIP IN ALGORITHMS

ESIEE Paris, France

Quality analysis of algorithms;
Problem analysis, article reading
Elaborate mathematical proofs.

Achievements: `Int. Conference Paper`

2014
Jan–Sep

SOFWARE ENGINEER INTERN

CAPGov, Brazil

CMS for Brazilian governement.
Backend developer: J2EE + Hibernate + SVN

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References available upon request

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