

# Giorgio De Trane

## Curriculum Vitae

Born: Nov 4, 1995

Nardò (LE), Italy

☎ (+ 39) 329 0310162

✉ [detranegiorgio@gmail.com](mailto:detranegiorgio@gmail.com)

🐙 [GitHub Profile](#)

🌐 [Linkedin Profile](#)



*The joy of teamwork lies in the sense of community that is forged through shared effort and commitment.*

## Education

2019 **Bachelor of Science - Aerospace Engineering**, Polytechnic University, Turin.

2022 **Master of Science - Aerospace Engineering**, Polytechnic University, Turin.

### Certifications

2014 **Certificate in Advanced English**, University of Cambridge.

Cambridge English Level 2 Certificate in ESOL International

2023 **Machine Learning Specialization**, Stanford University and DeepLearning.AI.

## Publication

Title, Journal **Novel 3D Printable Bio-based and Biodegradable Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) Microspheres for Selective Laser Sintering Applications**, Materials Today Sustainability

Authors A. Giubilini, G. Colucci, G. De Trane, F. Lupone, C. Badini, P. Minetola, F. Bondioli, M. Messori

DOI [doi.org/10.1016/j.mtsust.2023.100379](https://doi.org/10.1016/j.mtsust.2023.100379)

## Computer skills

Programming Languages **Python, Matlab, GNU/Octave, MIT Scheme, Racket, C**

Markup Languages **LaTeX, html, CSS, Markdown**

Platforms and Workflows **Linux, MacOS, Windows, Git, Jupyter Notebook, VSCode, Anaconda, LaTeX**

Data Science and ML **Pandas, Numpy, Scipy, Scikit-learn, Tensorflow, Keras, Pytorch, plotly.js, Matplotlib, Seaborn**

3D Graphics **Blender, Solidworks, FreeCAD**

Video Editing **Da Vinci Resolve**

Raster Graphics **Adobe Photoshop, Affinity Photo, Pixelmator Pro, GIMP, Krita**

Vector Graphics **Adobe Illustrator, Affinity Designer, Inkscape**

## Freelance Work

- 2021–Present **3D Artist, Designer, Freelance**, Geotechland.  
Designed logos and banners, as well as 3D models and animations for the YouTube channel GeoTechLand and its related social media accounts.
- 2020–Present **3D Artist, Freelance**, jason@thunderbird.net.  
Working for Jason Evangelho, a senior contributor at Forbes, YouTube content creator and Thunderbird Community Manager, I created 3D models and animations for some of his projects.

## Languages

Italian	<b>Mothertongue</b>	
English	<b>C1 (Advanced Level)</b>	<i>CAE certificate, Grade 10 Trinity College London certificate</i>
French	<b>Basic</b>	<i>Basic words and phrases only</i>

## Interests and Hobbies

Volunteering	<b>Blender workshops, coordinating study groups, tutoring</b>	
3D Art	<b>Blender, Unreal Engine, Substance Painter, Zbrush</b>	<i>and all related workflows</i>
3D Printing	<b>FDM, SLS, EBM</b>	<i>and all AM technologies</i>
AI	<b>Stable Diffusion, DALL-E, Midjourney, GPT</b>	<i>and all related technologies</i>
Food Science	<b>Engineering of 3D printed foods</b>	
Music	<b>Guitar and music theory</b>	

## Notes

In compliance with the GDPR and Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details, including my name, contact information, education and work experience, for the purpose of recruiting and selecting staff and communicating with me about job opportunities. I confirm to be informed of my rights in accordance with art. 7 of the above mentioned Decree and the GDPR.