Santiago Montesdeoca

in 🐦 v | http://artineering.io

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Passionate researcher, engineer and artist, constantly challenging technology to push computer graphics forward. Particularly fast learner, motivated team worker and solution finder.

EXPERTISE

- Expressive Graphics (NPR)
- Computer Animation
- Computer Graphics
- Image Processing
- Computer Vision

EDUCATION

Nanyang Technological University (NTU)
PhD in Computer Graphics
Expected Aug 2018 | Singapore
Cum. GPA: 4.5 / 5.0

Exchange Student in Digital Animation
2010-2011 | Singapore
Cum. GPA: 5.0 / 5.0

Stuttgart Media University (HdM)
BEng in Audiovisual Media
Grad. 2012 | Stuttgart, Germany
Cum. GPA: 1.5
German grading system
ECTS Grade B (second upper level)

German Humboldt High School
Maj. Physics/Mathematics
Grad. 2008 | Guayaquil, Ecuador
Cum. GPA: 19.0 / 20

SKILLS

Programming
Over 5000 lines in:
Python ● C++ ● HLSL/GLSL/Cg
Familiar with:
Qt ● MEL ● LaTeX ● Google Apps Script
● HTML/CSS ● JavaScript/JQuery ● Java

Software
Maya ● Unity ● Git ● Matlab ●
Photoshop ● After Effects ● Premiere ●
Nuke ● MS Office

Languages
Spanish (native) ● English ● German

EXPERIENCE

Nanyang Technological University | PhD Candidate
Aug 2014 – Present | Singapore
- Independent research and development R&D
- Developing a watercolor rendering system in Maya (C++, Python, Qt)
- Developed auto-peg animation alignment tool (Python, Qt)

VFX2 Pte. Ltd. | Co-founder of studio.coop
Nov 2012 – Oct 2013 | Singapore
- Created an open collaboration platform in the cloud: *studio.coop*
- Remote work, involved in decision making and overall development
- Developed multiple web tools (Google Apps Script, JS/JQuery)

Lucasfilm Ltd. | Jedi Academy Intern
May 2011 – Nov 2011 | Singapore
- Worked at Lucasfilm Animation as an Animation TD for *Strange Magic*
- Animated several character tests and optimized rigs for animation
- Developed 15+ tools for animation and rigging (Python, MEL, Qt)

Sebasansa S.A. | Administrative Support Intern
Mar 2008 – Aug 2008 | Guayaquil, Ecuador
- 3 months training as the CEO's assistant
- 3 months completely independent management of the business, leading 20+ farm workers in production

RESEARCH

Peer reviewed conference proceedings

[MSR16] Montesdeoca S. E., Seah H. S., Rall H.-M.: Art-directed Watercolor Rendered Animation. *NPAR'16 Proceedings of the Workshop on Non-Photorealistic Animation and Rendering* (2016), The Eurographics Association, pp. 51-58.

Peer reviewed conference presentation (selection on abstract)

[MSB16] Montesdeoca S. E., Seah H. S., Benvenuti D.: Artistically Driven Non-Photorealistic Computer Animation. *28th Annual Conference of the Society for Animation Studies* (2016), Society of Animation Studies.

AWARDS

2016 Honorable Mention and Best Presentation, Expressive 2016, Lisbon
2014 A*STAR's Singapore International Graduate Award (SINGA)
2012 Compostelana for St. James Way (≈1000km on foot through Spain)
2011 Daily Deviation Award for *gotita* shortfilm, deviantart.com
2011 Best Animated Shortfilm: *Arthur*, Festival de Adrenalina Audiovisual
2010 Baden-Württemberg Scholarship for Academic Excellence
2007 Flag Carrier of the German Humboldt High School, Guayaquil (best 3)
2007 Best Internship Performance in Ecuador by the German Humboldt High School, Guayaquil