

# Giulio Martella

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## EXPERIENCE

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Rome, Italy  
Dec. '17 – Apr. '18

### **Rainbow CGI Animation Studios**

#### *Assistant TD*

- ◇ Maintained and developed tools to support a 60+ artists pipeline
- ◇ Provided front-line support on pipeline and tools issues
- ◇ Used Maya, Xgen, Nuke, Vray, Shotgun and Deadline on Linux machines
- ◇ Optimized Shotgun queries achieving a speedup on several tools
- ◇ Developed Deadline interfaces to improve usability for artists
- ◇ Improved statistics gathering on render farm and assets data
- ◇ Integrated Shotgun on plugins of legacy portions of the pipeline

Rome, Italy  
Feb. '17 – Dec. '17

### **Computational Visual Design Laboratory (CVDLAB), Roma Tre**

#### *Research fellow*

- ◇ Bachelor thesis work
- ◇ Improved LAR, a solid geometric modeling library
- ◇ Implemented the geometric kernel of LAR in Julia
- ◇ Main focus on boolean operations and volumetric segmentation
- ◇ Represented the lab at JuliaCon 2018
- ◇ Been mentor on LAR for new lab fellows

## EDUCATION

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Stuttgart, Germany  
Apr. '18 – Present

### **Universität Stuttgart**

#### *M.Sc. Computer Science*

Majoring in Visual Computing

Rome, Italy  
Oct. '14 – Oct. '17  
Final Grade: 102/110

### **Università degli Studi Roma Tre**

#### *B.Sc. Computer Engineering*

Thesis title: Parallel Julia implementation of a geometric kernel for boolean operations based on the LAR scheme

## TECHNOLOGIES

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### **Maya:**

- ◇ Deep understanding of its data structures and functioning
- ◇ Professional experience with PyMEL, OpenMaya, PySide and MEL
- ◇ Used as an end user on several personal projects

**Nuke:** Professional experience on its Python API. Used also as end user on personal projects

**Other tools:** Renderman RIS, Shotgun, Deadline, Krita, DaVinci Resolve

**Git:** Several teamwork experiences

**GNU/Linux:** Red Hat family user since 2010

**Programming languages:** Python, C++, GLSL, SQL, MEL, Julia

**Frameworks:** OpenGL 4.5, Qt5

## PERSONAL INTERESTS

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I love cooking for me and my friends, especially dishes I have never cooked before.

From Scuba Diving to Kayaking, every activity which involves the sea enthalls me.

Hi-Fi music equipment is passion I have. My speakers are always been bigger than my PC.