# Giulio Martella

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## EXPERIENCE

**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
◇ Helped asset exchange with Bardel Entertaiment studio in Canada

**Rome, Italy**
Feb. '17 – Dec. '17

**Computational Visual Design Laboratory (CVDLAB)**, University of 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
◇ Gave a talk about LAR at JuliaCon 2018
◇ Been mentor on LAR for new lab fellows

## EDUCATION

**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

**University of Roma Tre**
*B.Sc. Computer Engineering*
Thesis title: "Parallel Julia implementation of a geometric kernel for boolean operations based on the LAR scheme"

## TECHNOLOGIES

**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, Embree

## PERSONAL INTERESTS

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 enthralls me.
I find audio electronics very interesting. I built my own power amplifier.