



# Fabrizio Borgia

## “Sapienza” Università di Roma

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Fabrizio Borgia was born and raised in Rome, Italy.

After his classical studies in high school, he decided to pursue a different career, studying Computer Science at “Sapienza” Università di Roma. Since the first years of his university studies, he showed interests for the study of the behavior of Men and Machine in conjunction, namely the Human-Computer Interaction (HCI), he also specialized in computer graphics, image processing and web design and development.

During the work for his master thesis, he approached the world of Sign Language, and, more specifically, Sign Language graphical representation using SignWriting. Under the supervision of Prof. De Marsico, and working with Prof. Bianchini, he designed and developed SWift, a new SignWriting digital editor.

The world of Sign Language thrilled Fabrizio, and he decided to enroll to the Ph.D course in Computer Science at the Université Toulouse III - Paul Sabatier, France. At the same time, he decided to learn Sign Language, studying with deaf teachers for two years. His Ph.D is also in partnership with “Sapienza” Università di Roma.

The goal of his work is to build a suite of software to assist SignWriting users during the composition of Sign Language texts. In order for this to be possible, he is working, for the last two years, to a SignWriting Optical Glyph Recognition (SW-OGR) engine. The goal of SW-OGR is to recognize handwritten SignWriting texts and to produce the corresponding digital encoded version.

Fabrizio is also interested in mobile design and development, augmented reality, psychology, videogames, science fiction, painting and snowboarding and much more.