

Nikolai Janakiev

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- EXPERIENCE**
- Research Assistant* February 2016 - July 2016
CUNY Graduate Center, New York, New York
- Scientific research in the topic of superiorization, a methodology for constrained optimization in the context of computerized tomography
 - Master Thesis: "Evaluation of Shearlet-based Superiorization with ART"
- Research Assistant* August 2015 - October 2015
Z.GIS, Salzburg, Austria
- Hackademy for an indoor positioning system with photogrammetry on android devices
 - Working with OpenMVG to produce structure from motion and visualization of point clouds with OpenGL ES 2.0
- Research Assistant* March 2014 - July 2014
ESIGETEL, Villejuif, France
- Scientific research in collaboration with EFREI, ESIGETEL and CNRS working on Exec&Share, a research oriented distributed processing platform
 - Bachelor Thesis: "Towards a Platform Agnostic User-Defined MapReduce Implementation"
 - Presentation at KES International Conference on Smart Digital Futures
- Student Employee* January 2013 - August 2013
Center for HCI, Salzburg, Austria
- Java EE, OSGi programming and software prototyping on a context based framework
- EDUCATION**
- Joint M.Sc.: Applied Image and Signal Processing* 2014 - 2017
Salzburg University of Applied Sciences and Paris Lodron University of Salzburg
- B.Sc.: Information Technology & Systems Management* 2011 - 2014
University of Applied Sciences Salzburg
- TECHNOLOGY AND SKILLS**
- Programming Languages:* Java, C/C++, Matlab, Python, R, LaTeX, JavaScript
Tools and Software: Blender, Blender Python API, Simulink, Jupyter Notebook, Processing, Git, RStudio
Languages: German (native), Bulgarian (bilingual), English (fluently), French (A2)
- COMMUNITY SERVICE**
- Volunteer* September 2012 - February 2014
AIESEC, Salzburg, Austria
- OGX (Outgoing Exchange): Interviews, support, preparation and workshops for outgoing exchange students
 - COMM (Communication/PR): Marketing and consulting in form of lecture presentations, booth marketing and organisation of various workshops and events