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 - Present
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