Roland Maio

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EDUCATION

08/2012 – 06/2018 **The City College of New York**, New York, NY
B.S. Computer Science Minor in Mathematics, GPA: 4.0/4.0

RESEARCH EXPERIENCE

06/2017 – 09/2017 **Columbia University**, New York, NY
Research Assistant – Lamont-Doherty Earth Observatory Geoinformatics Group

08/2016 – 05/2017 **Research Foundation of the City University of New York**, New York, NY
Research Assistant – Treespace Working Group

01/2017 – 04/2017 **National Aeronautics and Space Administration**, New York, NY
Research Intern – Goddard Institute for Space Studies

06/2016 – 08/2016 **International Business Machines Research**, New Delhi, India
Research Intern – IBM Research: India Lab

09/2014 – 05/2015 **Research Foundation of the City University of New York**, New York, NY
Research Assistant – Treespace Working Group

TEACHING EXPERIENCE

09/2017 – **Technology Education and Literacy in Schools**, New York, NY
Volunteer Teacher – Morris Academy for Collaborative Studies

01/2013 – 12/2014 **The City College of New York**, New York, NY
Workshop Leader – Chemistry Department

SELECTED NON-ACADEMIC EXPERIENCE

01/2016 – 05/2016 **National Aeronautics and Space Administration**, Stennis Space Center, MS
Software Engineering Intern – Developed mobile-first, scientific web applications

01/2008 – 01/2012 **United States Marine Corps**, Camp Pendleton, CA
Sergeant – Landing Support Specialist

AWARDS AND HONORS

11/2016 ACM ICPC Greater New York Regionals: 14th place out of 48 teams

09/2016 – The City College Fellowship

11/2015 ACM ICPC Greater New York Regionals: 20th place out of 50 teams

07/2010 Navy and Marine Corps Achievement Medal

PUBLICATIONS

Puma, Michael and **Maio, Roland**. Improving the resilience of African Countries to Food Shocks. *Global Trade Analysis Project*, June 2017.

Cleary, Sean and **Maio, Roland**. Edge conflicts do not determine geodesics in the associahedron. *SIAM Journal on Discrete Mathematics* (Under Review).

Cleary, Sean and **Maio, Roland**. An efficient algorithm for sampling difficult rotation distance instances. (In Preparation).

CONFERENCE ACTIVITY/PRESENTATIONS

Maio, Roland and Arko, Robert A. and Lehnert, Kerstin and Ji, Peng. Entity Linking Leveraging the GeoDeepDive Cyberinfrastructure and Managing Uncertainty with Provenance, Abstract IN33B-0118 presented at 2017 Fall Meeting, AGU, 13 December 2017.

Maio, Roland and Arko, Robert A. and Lehnert, Kerstin and Ji, Peng. Entity Linking Leveraging the GeoDeepDive Cyberinfrastructure and Managing Uncertainty with Provenance. Presented at the Joint Meeting of the IEDA Science Community Committee and the Technical Advisory Committee, 11 September 2017.

Maio, Roland and Puma, Michael. Improving the Resilience of African Countries to Food Shocks. Presented at the CCNY Fellowships Program: Fifteenth Annual Research Conference, 19 May 2017.

Maio, Roland and Puma, Michael. Improving the Resilience of African Countries to Food Shocks. Presented the April 26th Lunch Seminar in the Goddard Institute for Space Studies Wednesday Lunch Seminar Series, 26 April 2017.

Maio, Roland and Cleary, Sean. Conflicts Do Not Determine Geodesics in the Rotation Graph. Presented at the 10th Annual Spuyten Duyvil Undergraduate Mathematics Conference, 18 April, 2015