

MAX D. GROSSMAN

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EDUCATION

THE GEORGE WASHINGTON UNIVERSITY, Elliott School of International Affairs

Washington, DC

International Affairs Major, International Environmental Studies Concentration

May 2017

Geography Major, Geographic Information Sciences Minor

Cumulative GPA: 3.91; Dean's List, 3 Semesters; Outstanding Academic Achievement Award, 2014 - 15 & 2015 - 16

Coursework Includes: GIS Programming, GIS & Cartography, Geostatistics, Digital Image Processing, Remote Sensing, Calculus I, Physical Geography, Environmental Hazards, Transportation Geography, Chinese

NATIONAL TAIWAN UNIVERSITY, International Chinese Language Program

Taipei, TW

Summer 2015 George Washington University Sigur Center Language Fellow

June 2015 - August 2015

Coursework: 20 hours per week of in-class and 20 plus hours a week of independent Chinese Language study

WORK EXPERIENCE

AMERICAN RED CROSS (ARC) INTERNATIONAL SERVICES GIS TEAM

Washington, DC

GIS Intern

October 2016 - Present

- Creates maps and datasets for response in Haiti to Hurricane Matthew that enhance both the ARC International Services' internal communication and the GIS team's information management responsibilities during the response
- Generates and validates the Missing Maps Project's Humanitarian OpenStreetMap Team tasks, helping to create usable data for future American Red Cross and Missing Maps partners' preparedness and response work
- Works with GIS Team member to coordinate OpenStreetMap GeoWeek outreach, leading to the registration of 100+ mapathon events that create data used by the Missing Maps Project partners in their humanitarian work in developing countries

GEORGE WASHINGTON UNIVERSITY DEPARTMENT OF GEOGRAPHY

Washington, DC

Undergraduate Research Assistant

January 2016 – Present

- Collaborates with other research assistants to create a semi-automated script that generates a gentrification index for DC

NASA DEVELOP NATIONAL PROGRAM

Huntsville, AL

Research Consultant

June 2016 - August 2016

- Created a Malawi Landslide Susceptibility Map for the Regional Centre for Mapping of Resources for Development (RCMRD) that acts as a data layer usable in RCMRD's existing tool to visualize Malawi's climate and disaster vulnerabilities
- Led data collection and evaluation for project, ensuring the datasets used were best suited for landslide modeling
- Researched and tested multiple landslide modeling methodologies, acting as the lead for understanding geostatistical and machine learning algorithms in order to generate a realistic, valid, and defensible model of landslide susceptibility in Malawi

GEORGE WASHINGTON UNIVERSITY SOLAR INSTITUTE

Washington, DC

Undergraduate Solar Scholar

September 2015 - June 2016

- Lead institute's GIS work, creating thematic maps for the launch of an international solar trade association and an interactive map of analysis of US solar markets for institute research goal to better understand factors contributing to markets' successes and challenges

INDEPENDENT PROJECTS

Clinton Global Initiative Commitment to Action (Service Project)

Washington, DC

Grantee & Commitment Coordinator

December 2014 - Present

- Leads grant projects for small DC non-profit Little Friends for Peace, resulting in \$4000 in funding that support new and existing programming for the organization

SKILLS/ACTIVITIES

Technical: Python, R, HTML, CSS, JavaScript, QGIS, JOSM, ArcGIS, GDAL, Mapbox Studio, Tableau, PostgreSQL, PostGIS

Language: Chinese (Proficient)

Student Scholar, State of the Map US, Seattle, WA, July 2016

Member, The Phi Beta Kappa Society, May 2016 - Present

Award Winner, The President's Volunteer Service Award, May 2015

Volunteer Mapper, GW Humanitarian Mapping Society, Washington DC, December 2014 - Present

Volunteer Youth Mentor, Little Friends for Peace, Washington DC, September 2013 - Present

Interests: Surfing, Hip Hop, and Philly Sports