

MAX D. GROSSMAN

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EDUCATION

The George Washington University, Elliott School of International Affairs
International Affairs Major, International Environmental Studies Concentration
Geography Major, Geographic Information Sciences Minor

Washington, DC
May 2017

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

Coursework: GIS Programming, GIS & Cartography, Geostatistics, Digital Image Processing, Remote Sensing, Calculus I, Physical Geography, Environmental Hazards, Transportation Geography, Data Science, Web Software Development

National Taiwan University, International Chinese Language Program
Student of Chinese Language

Taipei, TW
June – August 2015

Summer 2015 George Washington University Sigur Center Language Fellow

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

WORK EXPERIENCE

American Red Cross International Services GIS Team
GIS Intern

Washington, DC
October 2016 – Present

- Supports post-Matthew response in Haiti, collating datasets and making maps of response areas and activities
- Assists Missing Maps, generating and validating mapathon tasks and creating basemaps with OSM data for project partners
- Co-leads OSM GeoWeek outreach to DC and US GIS communities leading to the registration of 65 events

George Washington University Department of Geography
Undergraduate Research Assistant

Washington, DC
January 2016 - Present

- Co-develops python script that automates creation of PCA-based gentrification index used for a research project analyzing spatial relationships between men's sexual HIV risk behavior with income, education, and crime in DC

NASA DEVELOP National Program
Research Consultant

Huntsville, AL
June 2016 – August 2016

- Created a Malawi landslide susceptibility map for the Regional Centre for Mapping of Resources for Development (RCMRD)
- Identified methodology, datasets, and programming libraries for analysis and wrote tutorials for future landside research
- Utilized command line tools, R, and Python to create multi-temporal rain and soil moisture datasets and a regression analysis

George Washington University Solar Institute
Undergraduate Solar Scholar

Washington, DC
September 2015 – June 2016

- Developed interactive map that illustrates analysis of states' solar policies, economic characteristics, and technical potential
- Produced thematic maps and research for the institute's report for the December 2015 UNFCCC COP21 meeting in Paris

INDEPENDENT PROJECTS

Clinton Global Initiative Commitment to Action (Service Project)
Grantee & Commitment Coordinator

Washington, DC
December 2014 – Present

- Directs enhancement of non-profit's community garden and reinitiated open houses for the community the non-profit serves

EXTRACURRICULAR ACTIVITIES, AWARDS, and ASSOCIATIONS

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

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

Member, Gamma Theta Upsilon Honor Society, March 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

SKILLS/INTERESTS

Computer: Python, R, HTML/CSS, JavaScript, QGIS, ArcGIS, Mapbox Studio, ERDAS Imagine, Tableau, Git

Language: Chinese - Limited Working Proficiency

Interests: OpenStreetMap, Surfing, and Disaster Preparedness & Response