

# MAX D. GROSSMAN

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## EDUCATION

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### 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, Data Mining, 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

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### 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 the American Red Cross's and Missing Maps partners' future preparedness and response work
- Led OpenStreetMap GeoWeek outreach with GIS Team member, leading to the registration of 140 mapathon events that created data used by the Missing Maps Project partners for 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 evaluation, collection, and management for the project, ensuring the datasets used were best suited for landslide modeling
- Researched and tested multiple landslide modeling methodologies in order to produce 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

- Led institute's GIS work, creating thematic maps for the launch of an international solar trade association and an interactive map that analyzed factors contributing to the US solar market's successes and challenges at the state level

## INDEPENDENT PROJECTS

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### 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 (LFFP), resulting in \$4000 in funding to support the LFFP's programs, including monthly open houses and the enhancement of a 'Peace Garden' part of LFFP's youth development program

## SKILLS/ACTIVITIES

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**Technical:** Python, R, OpenStreetMap, QGIS, JOSM, GDAL, ArcGIS, HTML/CSS, JavaScript, PostgreSQL, PostGIS, Tableau

**Language:** Chinese (Proficient)

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

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

Member, Gamma Theta Upsilon, March 2016 – Present

Executive Board Member, GW Humanitarian Mapping Society, Washington DC, December 2014 – Present

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

Interests: Surfing, Hip Hop, and Philly Sports