

## 1. Name (first and last)

Text Response

Fengdi Li

Statistic

Value

Total Responses

1

## 2. Email

Text Response

li.fengdi@hotmail.com

Statistic

Value

Total Responses

1

## 3. Contact Phone

Text Response

7627280877

Statistic

Value

Total Responses

1

#### 4. In Fall 2018 you will consider yourself to be a:

#	Answer	Bar	Response	%
1	VT Freshmen Undergraduate Student		0	0%
2	VT Sophomore Undergraduate Student		0	0%
3	VT Junior Undergraduate Student		0	0%
4	VT Senior Undergraduate Student		0	0%
5	Between Undergrad and Graduate school		0	0%
6	Graduate school		1	100%
	Total		1	

Statistic	Value
Min Value	6
Max Value	6
Mean	6.00
Variance	0.00
Standard Deviation	0.00
Total Responses	1

#### 5. What degree(s) and major(s) are you pursuing along with institution?

Text Response	
Master of Science in Analytics, Georgetown University	
Statistic	Value
Total Responses	1

## 6. List any Minors you are pursuing.

Text Response

Statistic	Value
Total Responses	0

## 7. List any honors and/or awards received:

Text Response

Outstanding MA NPO Student of the Year, Graduate Assistantship, Second and Third Class Scholarship

Statistic	Value
Total Responses	1

## 8. Currently we have 1 program accepting applications which includes:

#	Answer		Total Responses
15	Data Science for the Public Good	0	0
	Total	0	-
Statistic	Data Science for the Public Good		
Min Value	-		
Max Value	-		
Mean	0.00		
Variance	0.00		
Standard Deviation	0.00		
Total Responses	-		

### 9. Essay (up to 500 words): “What do you want to get out of this experience?”

#### Text Response

To achieve my ambition as a data analyst working for nonprofits, I will need rigorous practice in institutional setting like the Biocomplexity Institute of Virginia Tech, which distinguished itself with its abundant research and educational resources and opportunities to use the power of data for building solutions to answer key concerns the community, and spreading fact-based inspirations on social and industrial change. I am extremely eager to take advantage of the best opportunity offered by the SDAL's Data Science for the Public Good program, to work on social science and public policy related topics in a scientific and technical approach, and to work with a group of cross-disciplinary young professionals. I sincerely believe that, with this experience, I will gain expertise in identifying and tackling complex social problems, and formulating strategies to improve programs' efficiency and effectiveness for public good, and building connections in a wide range of fields.

Statistic	Value
Total Responses	1

### 10. Essay (up to 500 words): "Please describe any previous research experience and/or work experience you may have."

#### Text Response

My most recent experience was worked as the Data Engineer at the WSD Technology, initiated and participated in Credit Scoring System project for micro/small companies and individuals. I was mainly responsible for designing the project model, and collecting, cleaning, analyzing of quantitative and qualitative data from client entry, insurance records, social media, e-commerce platforms, and other resources by using RStudio, Pycharm, and MySQL/MongoDB databases. In the project, many supervised and unsupervised machine learning technics were applied, including PCA, SVM, regression, clustering, XGBoost and others. Besides, I was involved in business analysis projects for local pharmacy (chain) companies investigating factors that associated with sales, projects for micro-credit companies identifying success models. Before that, I worked as the Intern at the Foundation Center conducting data analysis and visualization projects researching on philanthropy trends, the Graduate Assistant at the University of Georgia School of Social Work conducting research on nonprofit management degree program in the United States, which was essential to the MA NPO program development plan. Besides, I also worked for The Carter Center, New American Pathways (Atlanta-based refugee resettlement agency) and China Youth Development Foundation, primarily assisting in several major programs, researching on principle prospect, managing donor and grant databases, and drafting grant proposals.

Statistic	Value
Total Responses	1

### 11. Essay (up to 500 words): "Please describe your background (courses taken, research projects, etc.) in statistics and mathematics."

#### Text Response

I took Advanced Mathematics, Linear Algebra, Mathematical Analysis, Probability Theory and Statistics, Discrete Mathematics, Field Theory and Complex Variable Function, Introduction to Statistics, Optimization, and Probability Modeling and Statistical Computing in undergraduate and graduate studies.

Statistic	Value
Total Responses	1

## 12. Essay (up to 500 words): "Please describe your background (courses taken, research projects, etc.) in social and behavioral sciences."

### Text Response

During my graduate studies, I had firsthand experience on real world data analysis while working as an intern for the Foundation Center. I participated in several data analysis and visualization projects researching on Southeastern grantmakers' giving trends, concerns, priorities and etc. One of my main deliverables is the report Making Measure: Results from a 2016 survey of Georgia Grantmakers and Nonprofits published by Southeastern Council of Foundations and Georgia Center for Nonprofits, with 274 nonprofits and 64 grantmakers participated in this study. In December 2016, over 200 managers from various nonprofits and foundations attended the presentation of this report, and the report was universally acclaimed to be a comprehensive source of insights on grants, grant making and grant searching opportunities for nonprofits and grantmakers.

### Statistic

### Value

Total Responses

1

## 13. Essay (up to 500 words): "Please describe your background in programming."

### Text Response

My training as an electronic information engineer and data analyst has granted me a strong scientific background and a suite of technical skills. I took several programming related courses including R, Python, SQL, SPSS, Tableau, Python, MATLAB, C/C++. My undergraduate final research was developing a digital image processing system based on MATLAB, which equipped with functions including transformation, enhancement, segmentation, editing, etc. When worked at the WSD Technology, I've highly sharpened my skills in data crawling, cleaning, and modeling, along with managing MySQL and MongoDB databases. In addition, I was considered as the code leader in our Factors that Influence the Insurance Coverage in U.S. project, which investigated the relationship between Insured rate by county and healthcare expenditure, population, region and other potential factors. And I also participated in the project identifying and predicting the sales of potential weather-sensitive products at Walmart stores by using several tree models.

### Statistic

### Value

Total Responses

1

## 14. Essay (up to 500 words): "Please provide information about other significant courses you have taken within your field of study."

### Text Response

In electronic information engineering program, I took many physics, circuit, signal, and image related courses, which are essential to my radar concentration. In nonprofit organizations management program, I took fundraising, program evaluation, volunteer management and other courses, those training greatly improved my competence being as a nonprofit leader.

### Statistic

### Value

Total Responses

1

15. Please list the name and contact information for 2 references (teachers, mentors, or employers) that we will contact for a letter of reference/brief survey. Please make sure you list the correct email and they know we will be contacting them soon (within the next week). Only 2 references will be contacted; do not list more than 2.

Text Response

Stephen Sherman, stephen@secf.org; Nate Strawn, nate.strawn@georgetown.edu.

Statistic	Value
Total Responses	1