

# Generalized Professional Responsibility Assessment (GPRA)\* - Version 1.1: Midpoint\*\*

(last updated May 11, 2021)

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The GPRA can be used in its original or modified form as long as the acknowledgment section below is included. If you would like to request access to the GPRA through Qualtrics, contact Borenstein (at) gatech (dot) edu

**\*Acknowledgments:** Version 1.1 of the Generalized Professional Responsibility Assessment (GPRA) was developed by Jason Borenstein, Ellen Zegura, Daniel Schiff, Wendy Newstetter, and Colin Potts with the assistance of graduate student Alexandria Erwin at the Georgia Institute of Technology, and is based upon work supported by the U.S. National Science Foundation Cultivating Cultures for Ethical STEM program under Grant No. 1635554. The foundation and theoretical basis for the GPRA is derived from the Engineering Professional Responsibility Assessment (EPRA) created by Nathan E. Canney and Angela R. Bielefeldt from the University of Colorado – Boulder with support by the U.S. National Science Foundation Division of Engineering Education and Centers under Grant No. 1158863.

\*\*There are different variations of the GPRA; the one provided here was designed to be used during the midpoint of an undergraduate program. Please note that some of the question items and activities mentioned in this version of the survey may be specific to Georgia Tech (and thus will need to be adjusted for your own organization).

\*\*\*The Georgia Tech research team has also asked research subjects several demographic questions that are not included in this document.

## Section 1: Survey Questions

Please answer the questions below based on what you think your profession will be in the future.

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### Q1 Which profession is closest to what you plan on pursuing in the future?

- Architecture, Arts or Design
- Business or Economics
- Communications, Media or Entertainment
- Computing
- Engineering
- Law or Public Policy
- Medicine or Health
- Science
- Other \_\_\_\_\_

**Q2 Please rate how important you think the following skills are in your intended profession using the scale below:**

	1 Very Unimportant	2 Unimportant	3 Slightly Unimportant	4 Neutral	5 Slightly Important	6 Important	7 Very Important
Professional ethics (ensuring all of your work follows professional codes of conduct)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Societal context (how your work connects to society and vice versa)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Volunteering (for professional and personal reasons)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cultural awareness / understanding (of your culture, and those of others)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Q3 Rate the level to which you agree/disagree with the following statements using the scale below:**

	1 - Strongly Disagree	2 - Disagree	3 - Slightly Disagree	4 - Neutral	5 - Slightly Agree	6 - Agree	7 - Strongly Agree
People in my intended profession have contributed greatly to fixing problems in the world	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would not change a design or recommendations because they conflicted with community feedback	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Volunteer experiences have changed the way I think about spending money	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is important to me to have a career that involves helping people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The skills in my intended profession are not useful in making the community a better place	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is important for people in my intended profession to consider the potential broader impacts of technical solutions to problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Service should not be an expected part of my intended profession	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would be willing to have a career that earns less money if I were serving society	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

I will use the skills  
gained from my  
intended  
profession to help  
others

I view my  
intended  
profession and  
community  
service work as  
unconnected

I feel called to  
serve others  
through my  
intended  
profession

The needs of  
society have no  
effect on my  
choice to pursue  
my intended  
profession

Technology does  
not play an  
important role in  
solving society's  
problems

My professional  
skills are  
strengthened  
through  
participation in  
service  
opportunities

I feel called by  
the needs of  
society to pursue  
my intended  
profession

I doubt that  
volunteer work  
will ever have  
much effect on  
my career

I think it is  
important to use  
the skills gained  
from my intended  
profession to  
serve others

People in my intended profession can have a positive impact on society

People in my intended profession should use their skills to solve social problems

It is important to use my professional abilities to provide a useful service to the community

I believe that I will be involved in social justice issues for the rest of my life

I do not think it is important to use skills gained from my intended profession to serve the greater community

I believe my life will be positively affected by the volunteering that I do

**Q4 Rate the level to which you agree/disagree with the following statements below using the scale below:**

	1 - Strongly Disagree	2 - Disagree	3 - Slightly Disagree	4 - Neutral	5 - Slightly Agree	6 - Agree	7 - Strongly Agree
I can make a difference in my community	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
America does not have communities that need help	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think people who are more fortunate in life should help less fortunate people with their needs and problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that extra time spent on community service is worthwhile	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is not my responsibility to do something about improving society	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe it takes more than time, money, and community efforts to change social problems: we also need to work for change at a national or global level	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Community groups need our help	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are not people in the community who need help	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

I can have an impact on solving problems that face my local community

It is important to me to have a sense of contribution and helpfulness through participating in community service

Please mark "3 - Slightly Disagree" if you are reading this question

It is my responsibility to take some real measures to help others in need

I feel an obligation to contribute to society

There are people who have needs which are not being met

My contribution to society will make a real difference

I think I should help people who are less fortunate with their needs and problems



I cannot have an impact on solving problems that face underserved communities internationally

There are needs to address in the community

Helping others is a central message in my intended major

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Q5

"Community Service" is a phrase that covers a range of activities, such as volunteering, service learning, and research projects on important societal issues. The activity could, for example, help support a local community or work towards solving a global issue that affects the public's well-being.

**Rate the typical frequency that you have engaged in any of the following community service activities during your time at Georgia Tech using the scale below:**

	0 - Have not participated	1 - Only a few times during college	2 - Once or Twice per year	3 - More than twice per year but not routinely	4 - Monthly	5 - Weekly
Community service activities connected to a course within your major	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Community service activities connected to a course outside of your major	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Undergraduate research related to community service (e.g., in a Vertically Integrated Project, PURA, or independent research)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Long-term on-site service project through a campus organization (e.g., disaster relief or spring break service trip)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
On-campus internship or work related to community service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attending a speaker series, workshop, or conference related to community service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Community service activities through a campus Living Learning Community or other dormitory

Community service activities through a campus chapter of a professional organization (e.g., ASCE, BMES, or IEEE)

Community service activities through a campus profession-oriented organization dedicated to social good (e.g., Engineers Without Borders, Epic Intentions, or Bits of Good)

Community service activities through a campus chapter of a general service-oriented organization (e.g., Habitat for Humanity, Hands on Atlanta, or Trees Atlanta)

Community service activities through a campus fraternity or sorority

Community service activities through a campus religious organization

Community service activities through another type of campus organization (e.g., sports club, arts/dance team, or political group)

Community service activities not connected to a campus event, course, or organization (e.g., unpaid tutoring of elementary school children or volunteering at a soup kitchen or nursing home)

Other:



**Q6 What are the reasons that you have participated in community service activities during your time at Georgia Tech? Check all that apply.**

- Required for a class
  - To travel (e.g., for an international experience)
  - To spend time with friends/a social group
  - Because I was encouraged to do so as a member of a student organization
  - It makes me feel good
  - Because of my religious beliefs
  - To help others
  - To gain new skills connected to my future profession
  - To build my resume/get a job
  - Because I think people in my future profession have a professional obligation to do so
  - Other \_\_\_\_\_
- 

**Q7 Did any of the community service activities you participated in during your time at Georgia Tech overlap with what you intend to do as your future profession?**

- Yes (briefly explain) \_\_\_\_\_
  - No
-

**Q8 Did community service activities during your time at Georgia Tech increase your awareness of how your future profession can support the public's well-being?**

- Yes
  - No
  - Not applicable
- 

**Q9 Did community service activities during your time at Georgia Tech increase your ability to use your professional skills to support the public's well-being?**

- Yes
  - No
  - Not applicable
- 

**Q10 Did community service activities during your time at Georgia Tech increase your sense of your professional obligation to support the public's well-being?**

- Yes, these activities increased my sense of professional obligation
  - No, these activities decreased my sense of professional obligation
  - No, these activities had no significant effect on my sense of professional obligation
  - Not applicable
- 

**Q11 Future Job Qualities:** Below there are 8 bins with different job qualities on them. You have 10 stones to distribute among the bins to mark which qualities are important to you when thinking of your future job. You may place multiple stones in any bin, but you must place exactly 10 stones in total and no fractional stone distributions are allowed. **Write your number of stones in the square on each bin.**

Salary : \_\_\_\_\_  
Helping People : \_\_\_\_\_  
Working on Industrial/Commercial Projects : \_\_\_\_\_  
Working on Community Development Projects : \_\_\_\_\_  
Living Domestically : \_\_\_\_\_  
Living Internationally in a Developed Country : \_\_\_\_\_  
Living Internationally in a Developing Country : \_\_\_\_\_  
Own Your Own Business (Be Self-Employed) : \_\_\_\_\_  
Total : \_\_\_\_\_

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**Q12 Did you grow up primarily outside of the U.S.?**

- Yes
- No
- 

**Q13 How would you describe your religious affiliation or preference?**

- Religious, affiliated with an organized religion (i.e. Christian, Muslim, Jewish, Hindu, Buddhist, etc.)
- Spiritual but not affiliated with an organized religion (i.e. Humanist, Agnostic, etc.)
- Atheist
- Indifferent or not religious
- Prefer not to say

**Q14 How active do you consider yourself in the practice of your religious preference?**

- Very Active
- Somewhat Active
- Not very Active
- Not Active
- Does not apply/ Prefer not to say



## Appendix: Codebook

The following codebook links the questions above to corresponding constructs from the Professional Social Responsibility Development Model described in Nathan Canney and Angela Bielefeldt, A Framework for the Development of Social Responsibility in Engineers, International Journal of Engineering Education 2015, 31: 414-424. The table below is presented in order of the questions as they appear in the GPRA.

Construct	Question
ba5	Professional ethics (ensuring all of your work follows professional codes of conduct)
an2	Societal context (how your work connects to society and vice versa)
pc1	Volunteering (for professional and personal reasons)
an1	Cultural awareness / understanding (of your culture and those of others)
pa1	People in my intended profession have contributed greatly to fixing problems in the world
an3	I would not change a design or recommendations because they conflicted with community feedback
pc2	Volunteer experiences have changed the way I think about spending money
pc3	It is important to me to have a career that involves helping people
pa2	The skills in my intended profession are not useful in making the community a better place
an4	It is important for people in my intended profession to consider the potential broader impacts of technical solutions to problems
pc4	Service should not be an expected part of my intended profession
cb1	I would be willing to have a career that earns less money if I were serving society
pc5	I will use the skills gained from my intended profession to help others
pc6	I view my intended profession and community service work as unconnected
pc7	I feel called to serve others through my intended profession
pc8	The needs of society have no effect on my choice to pursue my intended profession
pa3	Technology does not play an important role in solving society's problems
cb2	My professional skills are strengthened through participation in service opportunities
pc9	I feel called by the needs of society to pursue my intended profession
pc11	I doubt that volunteer work will ever have much effect on my career
pc12	I think it is important to use the skills gained from my intended profession to serve others
pa4	People in my intended profession can have a positive impact on society
pc13	People in my intended profession should use their skills to solve social problems
pc14	It is important to use my professional abilities to provide a useful service to the community
pc15	I believe that I will be involved in social justice issues for the rest of my life
pc16	I do not think it is important to use skills gained from my intended profession to serve the greater community

<b>cb3</b>	I believe my life will be positively affected by the volunteering that I do
<b>ab1</b>	I can make a difference in my community
<b>aw1</b>	America does not have communities that need help
<b>pc17</b>	I think people who are more fortunate in life should help less fortunate people with their needs and problems
<b>cb4</b>	I believe that extra time spent on community service is worthwhile
<b>co1</b>	It is not my responsibility to do something about improving society
<b>pc18</b>	I believe it takes more than time, money, and community efforts to change social problems
<b>aw2</b>	Community groups need our help
<b>aw3</b>	There are not people in the community who need help
<b>ab2</b>	I can have an impact on solving problems that face my local community
<b>pc19</b>	It is important to me to have a sense of contribution and helpfulness through participating in community service
<b>co2</b>	It is my responsibility to take some real measures to help others in need
<b>Attention question</b>	Please mark "3 - Slightly Disagree" if you are reading this question
<b>co3</b>	I feel an obligation to contribute to society
<b>aw4</b>	There are people who have needs which are not being met
<b>ab3</b>	My contribution to society will make a real difference
<b>co4</b>	I think I should help people who are less fortunate with their needs and problems
<b>ab4</b>	I cannot have an impact on solving problems that face underserved communities internationally
<b>aw5</b>	There are needs to address in the community