Overview

- What is the GA Smart Community Challenge?
- What is the Smart Community Corps?
- How can I be part of this?
- Q &A
Smart Cities Framework

GT
Smart City Ecosystem

Components
Function
Vision
GEORGIA SMART COMMUNITIES CHALLENGE

Enabling Resiliency and Sustainability through Academic Research and Public Sector Collaboration
Mission

The Georgia Smart Communities Challenge is a first-of-its-kind Grant Challenge for communities of any size in the state of Georgia to receive funding and support to enable four winning communities to envision and plan for their Smart future.

To spur smart community development throughout GA

To position GA as a smart community leader
\( \frac{2}{3} \) of GA represented
2019-2020 Projects

**Columbus Consolidated Govt.**

Uptown Business District

Improve safety and security as well as business development in the Uptown Business District using sensors and other smart tech.

*John Taylor*
  Civil & Environmental Eng.
*Neda Mohammadi*
  Civil & Environmental Eng.
*Russ Clark*
  Computer Science

**Macon-Bibb County**

Transit Authority School District/Colleges Business Districts

Promote equity in economically distressed neighborhoods by testing smart kiosks which provide access to govt. services and other important information and services.

*Arthi Rao*
  City and Regional Planning

**City of Milton**

Fulton Co. Schools

Study the impact on the community of an interactive smart phone application to encourage safe walking to school.

*Kari Watkins*
  Civil & Environmental Eng.
*Angshuman Guin*
  Civil & Environmental Eng.

**City of Woodstock**

Downtown Development Authority

Increase efficiency and traveler and pedestrian safety in the downtown corridor by utilizing smart transportation technologies.

*Ramachandra Sivakumar*
  City & Regional Planning
GA Smart Timeline

2019 Feb
Launched Challenge

June
Announced Winners

September
Projects start, Kickoff Workshop

2020 Mar 26th
Spring Workshop

May-Aug
Smart Community Corps

Sept 10th
Final Workshop

Site Visits, Webinars, Newsletters, Conference Calls
Question

- How to engage with students?
- How to prepare students to lead smart cities?
- How to better support communities?
- Research by Nathaniel William Horadam and Abigail Marinelli
GT Commitment to Lifetime Education

• “...envisions continual engagement with learners that extends from kindergarten to forever. [It] means integration with primary and secondary schools, flexible learning options, connectivity that enables learning beyond traditional college years, and a network that supports learners all over the world.”

Rafeal L. Bras,
Provost and Executive Vice President for Academic Affairs, Georgia Tech
Smart Community Corps Benefits

• Work experience in a local government in smart communities topics
• $6,000 stipend
• Professional and Research mentor
• Educational seminars
• GA Smart staff support throughout
• Equipment support- Microsoft Surface Pro
• Network- within cohort and wider alumni and GA Smart community
Smart Community Corp Timeline

- Feb 14th: Application Deadline
- Feb-March: Selected Interviews
- March 13th: Finalist Notified
- March 18th - August 7th: Smart Community Corps Internship
- May 18th - August 7th: Final Workshop and Presentation
- Sept 10th: Final Workshop and Presentation

Conference Calls, Seminars, Blogging/Tweeting, Mentoring

GEORGIA SMART COMMUNITIES CHALLENGE
Program Requirements

- Commit to the entirety of the twelve-week work period (May 18-August 7)
- Submit three C2D2 work forms
  1. A Work Term Goals & Objectives during the first three weeks
  2. A Work Report
  3. The Student Performance Evaluation (from their supervisors) during the last two weeks of their work term
- Participate in the Serve-Learn-Sustain (SLS) internship seminar that meets every two weeks (virtually)
- Set program goals with placement supervisor, including work location and hours
- Submit written monthly progress reflections to SCI2
- Submit written mid-term and final progress blog reflections to SCI2
- Participate in monthly meetings with your mentor (in-person or remotely)
- Post updates of internship on SCI2 Twitter account throughout the internship
- Final presentation at Georgia Smart Communities Workshop (Sept 10) and at Georgia Tech with SLS
Placement:

- 4 SCC placed in each of the GA Smart Communities- Milton, Woodstock, Columbus, Macon

- 1 SCC in Atlanta for Smart Cities for all

- 2 SCC in Atlanta on EPA project (Masters, Ph.D)

- Open to students of all majors
Internship Opportunities

1. Columbus Consolidated Govt.
   Uptown Business District
   Improve safety and security as well as business development in the Uptown Business District using sensors and other smart tech.
   - John Taylor
     Civil & Environmental Eng.
   - Neda Mohammadi
     Civil & Environmental Eng.
   - Russ Clark
     Computer Science

2. Macon-Bibb County
   Transit Authority School District/Colleges Business Districts
   Promote equity in economically distressed neighborhoods by testing smart kiosks which provide access to govt. services and other important information and services.
   - Arthi Rao
     City and Regional Planning

3. City of Milton
   Fulton Co. Schools
   Study the impact on the community of an interactive smart phone application to encourage safe walking to school.
   - Kari Watkins
     Civil & Environmental Eng.
   - Angshuman Guin
     Civil & Environmental Eng.

4. City of Woodstock
   Downtown Development Authority
   Increase efficiency and traveler and pedestrian safety in the downtown corridor by utilizing smart transportation technologies.
   - Ramachandra Sivakumar
     City & Regional Planning

5. Smart Cities 4 All
   Investigate how smart cities concepts and technology can improve accessibility and narrow the digital divide by engaging with all 4 GA Smart community project teams.
   - Jon Sanford
     Industrial Design
US Environmental Protection Agency

Georgia Community Model Building

We’re creating tools for communities to use in evaluating how technological improvements in local industries, utilities and logistics can reduce carbon footprints and other adverse impacts to protect their environment while creating jobs and new business opportunities.

Required Bachelors Degree:
• Valerie Thomas (ISyE)
  
  Community Material Flow Analysis
  • New Technology Scenario Analysis
2020 Georgia Summer Internships

Georgia is the first state to implement the US Environmentally-Extended Input-Output (USEEIO) model.

Companies like Amazon are already using the EPA’s USEEIO API to set their net zero carbon footprint goals.

Our material flow intern will process community data using Python to create interactive supply chain visualizations.

Our technology scenario intern will build R Language tools to convey industry purchases, resource use and emissions.
Website & Links

Smart Community Corps Homepage
http://smartcities.ipat.gatech.edu/smart-community-corps-program-overview

2020 Smart Community Corps Webpage
http://smartcities.ipat.gatech.edu/2020-smart-community-corps

Application (Qualtrics Form)
https://gatech.co1.qualtrics.com/jfe/form/SV_b94Hng27a77Cv89
2020 Smart Community Corps

The Georgia Smart Community Corps is a paid full-time (40 hours/week) internship for civic-minded Georgia Tech students dedicated to creating livable, and equitable communities through smart technology and data implementation over the summer semester. Fellows are placed in one of Georgia Smart Community Challenge grantees and be part of the project team. This opportunity is a joint collaboration with the Center for Serve-Learn-Sustain, Center for Career Discovery & Development, and the Student Government Association. It is generously funded by Microsoft.

These internships were funded by a generous gift from Microsoft Corporation to advance students’ experiences working on real-life problems in a community environment as a way to apply their skills and improve the lives of residents. Each intern will receive a $6000 stipend paid in two installments, one paid at the end of May and the other at the end of July.

Join us for an informational webinar on January 15th, 2020 from 12-1pm to learn more about the opportunity and get your questions answered. Register for the webinar here: REGISTER

<table>
<thead>
<tr>
<th>2020 Smart Community Corps Application Timeline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dec 2, 2019</td>
</tr>
<tr>
<td>Feb 14th, 2020</td>
</tr>
<tr>
<td>Feb 21, 2020</td>
</tr>
<tr>
<td>Feb 24th through Mar 6th</td>
</tr>
<tr>
<td>Mar 13th, 2020</td>
</tr>
<tr>
<td>Mid-May, 2020</td>
</tr>
<tr>
<td>Mid-Aug, 2020</td>
</tr>
</tbody>
</table>

Learn more watching our recorded informational webinar or view the informational presentation.

Website

Timeline

APPLICATION INFO

APPLICATION & ELIGIBILITY

FAQS

APPLICATION AVAILABLE - APPLY HERE!

JOB DESCRIPTIONS

SUPPORTING INFO

IS THE SMART COMMUNITY CORPS FOR ME?

INFORMATIONAL PRESENTATION

INFORMATIONAL WEBINAR

Apply Here!

Job Descriptions

Is Smart Community Corps for me?
<table>
<thead>
<tr>
<th>Application Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>Contact Info</td>
</tr>
<tr>
<td>Citizenship Status</td>
</tr>
<tr>
<td>College Major / Minor</td>
</tr>
<tr>
<td>College Year / MS / PhD</td>
</tr>
<tr>
<td>Project Preference Ranking</td>
</tr>
<tr>
<td>Written Statements</td>
</tr>
<tr>
<td>1. Describe your Professional Aspirations (for mentorship matching)</td>
</tr>
<tr>
<td>2. Why are you interested in this fellowship?</td>
</tr>
<tr>
<td>Attachments</td>
</tr>
<tr>
<td>1. Resume</td>
</tr>
<tr>
<td>2. Letter of Recommendation (from Faculty or Employer)</td>
</tr>
</tbody>
</table>
WELCOME TO SERVE-LEARN-SUSTAIN (SLS)

GEORGIA TECH’S QUALITY ENHANCEMENT PLAN (QEP)

Launched in January 2016
SLS works with all six colleges to offer students opportunities inside and outside the classroom to collaborate with diverse partners - across the community, nonprofit, government, academic, and business sectors – on key sustainability challenges.

Through SLS, students learn to use the knowledge and skills they are acquiring at GT to help “create sustainable communities.”
SLS PROGRAMS

SLS offers 6 signature programs with different levels of commitment:
We also offer these additional courses and programs:

Affiliated Courses
SLS Foundation Courses
Study Abroad
SLS approaches sustainability:

- as an *Integrated System*
- with a special focus on *Society/Social Sustainability*
SLS APPROACH TO “CREATING SUSTAINABLE COMMUNITIES”

SLS programs focus on these priority sustainable communities issues:

- Community Health
- Equitable & Sustainable Development
- Green Infrastructure
- Climate Change & Energy
SLS SUMMER INTERNSHIP PROGRAM

• Offered every summer.

• An opportunity for students looking to gain real-world experience related to sustainability and community engagement.

• Interns will earn internship course audit credit.

• Can choose between a part-time (15-20 hours per week) or full-time (30-40 hours per week) internship.

• Receive a Living Stipend of $2500 for a part-time internship and $5000 for a full-time internship, paid in two increments over the summer.
  • Because SLS internships provide course audit credit for our students, the internship is considered unpaid (i.e. interns will not receive a salary).

• Students participating in the SLS Internship must enroll in the SLS Internship Summer Seminar.
  • Meets one evening every other week for two hours. In-person and distance options (depending on internship placement location)
  • Introduces students to theories of grassroots sustainability innovation.
  • Provides students with an opportunity to reflect on their internship experiences.

• One semester of the SLS Internship Program, combined with the internship seminar, fulfills the ENGAGE requirement of the SLS Innovating for Social Impact Program.
LEARN MORE ABOUT SLS

Visit the SLS website:
www.serve-learn-sustain.gatech.edu

Subscribe to the SLS email list:
http://sls.gatech.edu/mailing-list/register

Contact us – we’d love to talk to you!
serve-learn-sustain@gatech.edu
Our Ideal Student

- Demonstrated interest and/or experience in smart technologies
- Demonstrated interest and/or experience in community service
- Skills aligned with project needs (varies per site)
Special thanks to our Collaborators

- Center for Serve-Learn-Sustain (SLS)
- Center for Career Discovery & Development (C2D2)
- Student Government Association (SGA)
- Microsoft
- EPA
Partners
Thank you

Contact SCI2

sci2@gatech.edu