

# Résumé

Owner / CEO – Carly Queen, AICP

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## Education

Master of Science in Civil Engineering, Transportation, Georgia Institute of Technology, 2016

Master of City and Regional Planning, Georgia Institute of Technology, 2016

Bachelor of Science in Mechanical Engineering, Georgia Institute of Technology, 2009

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- ✓ Award-winning community leader with 20+ years living and working in Atlanta
  - ✓ Transit technology specialist with published research on urban transit modes as well as bus service reliability
  - ✓ Manager of complex and comprehensive planning efforts for projects involving multi-modal safety solutions
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Carly is the owner of Aurora Innovative Solutions based in downtown Atlanta and a former Sustainable Transportation Specialist for AECOM. She has more than 16 years of professional experience advancing sustainable development through collaborative public engagement, planning, and engineering. Her work focuses on multi-modal transportation planning, traffic engineering, safety, and transit-oriented development. Ms. Queen is also highly skilled in multi-criteria decision making, survey design, GIS and data analysis, multimedia communications, and facilitating interactive community discussions.

**Grants Assistance Program, GO Georgia, Athens, Georgia.** Carly supported the launch of GO Georgia's Grants Assistance Program (GAP) through Aurora Innovative Solutions. This effort involved summarizing, documenting, and developing tools to help local governments in Georgia and across the nation navigate various funding sources for bicycle and pedestrian infrastructure, including several complex federal funding programs. Carly provided research, analysis, design, and public engagement services including virtual and in-person presentations under this contract.

**Clayton Southlake Bus Rapid Transit Traffic Engineering Report, MARTA, Atlanta, Georgia.** Carly served as a senior planner and traffic engineer leading counts and future volume development for the traffic engineering report.

**Districts 4 & 7 Safety Program, Georgia Department of Transportation, Atlanta, Georgia.** Ms. Queen led AECOM's multimodal planning and engineering while serving as the task leader for some of the most complex and large-scale corridor safety and traffic engineering studies in this contract. Carly was the project lead for safety-focused traffic engineering studies along state routes in underserved areas including SR 154 (Memorial Drive), SR 8 (Donald Lee Hollowell Parkway), and SR 139 (Ralph David Abernathy Boulevard), which involved crash data analysis, alternatives identification and analysis, traffic modeling, multi-criteria analysis, project prioritization, and documenting recommendations for safety improvements. She also served as a key team member for several road safety audits.

**SR 3/Northside Drive Corridor Improvement Study, Georgia Department of Transportation, Atlanta, Georgia.** Ms. Queen served as AECOM's project planner for a major planning effort to identify, evaluate, and prioritize potential improvements along SR 3 (Northside Drive) from I-75 to I-20 in Atlanta, GA. She played a leading role in the following areas for the planning study and 7 subsequent traffic engineering reports: crash data collection and analysis, GIS mapping, transportation planning, traffic modeling and engineering, project organization and prioritization, and community and stakeholder engagement.

**Alpharetta Walkability Study, City of Alpharetta, Alpharetta, Georgia.** Carly served as a key member of AECOM's team of pedestrian infrastructure and safety experts, leading the process of documenting, organizing, and prioritizing a comprehensive list of pedestrian-oriented solutions for Alpharetta's downtown core and North Point Parkway, a transit corridor with a car-centric development pattern that is shifting toward a more walkable urban environment. She led a team into the field to inventory pedestrian conditions in a GIS database and also supported the process of identifying and documenting improvement opportunities.

**Crosstown Downtown Streetcar Traffic Engineering Report, Atlanta BeltLine, Atlanta, Georgia.** Carly served as a traffic engineer leading volume development, modeling, and analysis for the traffic engineering report.

**Summerhill Bus Rapid Transit TIGER Grant Application, MARTA, Atlanta, Georgia.** Carly served as editor of this grant application to the Federal Transit Administration, which led to \$12.6 million being awarded to MARTA.

## Carly Susan Queen, AICP

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**Profile:** pioneering and innovative servant leader specializing in urban multimodal transportation planning and engineering

### Relevant Work Experience

**Aurora Innovative Solutions**, Atlanta, GA

4/2024 – Present

*Owner / CEO*

- Founder of this planning and engineering consulting firm focused on sustainable development and transportation
- Created a grants catalog and webinar series on funding opportunities for pedestrian and cyclist infrastructure
- Developed a planning-level vision for a comprehensive network of on-street bicycle facilities in and around Atlanta

**AECOM**, Atlanta, GA

5/2014 – 10/2023

*Sustainable Transportation Specialist / Civil Engineer*

- Technical expert providing guidance in the areas of strategic transportation alternatives analysis, project prioritization, transit and active network planning, traffic safety, road diet and complete streets design, and accelerated delivery
- Senior multimodal project manager under District 7 (metropolitan Atlanta) On-call Safety contract for GDOT
- Technical lead for our team's most complex corridor multimodal safety studies, including for Memorial Drive (SR 154), Moreland Ave (SR 42), Donald Hollowell Pkwy (SR 8), Northside Dr (SR 3), and Ralph Abernathy Blvd (SR 139) in Atlanta
- Prepared and delivered the traffic engineering report for the Atlanta BeltLine Downtown Streetcar transit line
- Chair of Atlanta Great Place to Work Committee leading employee appreciation and social events for 500+ employees
- Selected, trained, and supervised new employees, including as a recruitment liaison to Georgia Institute of Technology

**Urban Transportation Information Lab**, Atlanta, GA

8/2014 – 5/2016

*Graduate Research Assistant*

- Supported technical editing for TCRP Report 179 "Use of Web-based Rider Feedback to Improve Public Transit Services"
- Conducted literature review and analysis of more than 180 documents for TCRP Report A-42 "Minutes Matter: A Guide to Bus Transit Service Reliability"

**Westside Communities Alliance**, Atlanta, GA

8/2013 – 5/2014

*Graduate Research Assistant / Activities Coordinator*

- Built collaboration between Georgia Tech, English Avenue, Vine City, and many other west Atlanta stakeholders
- Website design + maintenance, communications, social media content creation, event planning, and marketing

**National Wildlife Federation**, Atlanta, GA

6/2009 – 12/2011

*Southeast Campus Field Coordinator*

- Primary liaison between Campus Ecology Program and a diversity of stakeholders across the Southeast U.S.
- Led collaborative planning processes for several multi-campus events and helped to launch three statewide networks
- Dynamic role requiring collaborative leadership and management of multiple projects and relationships at once

**The Fund for Public Interest Research**, Atlanta, GA

1/2007 – 8/2007

*Senior Field Manager*

- Hired and trained over 30 new employees, developing multiple teams of canvassers to raise funds for nonprofits
- Broke the all-time Atlanta office record for funds raised in a summer with over \$300,000 for waterway protection

### Education

**Georgia Institute of Technology**, Atlanta, GA

*Master of Science, Civil Engineering + Master of City and Regional Planning*

8/2013 – 12/2016

- Completed Dual Master's Degrees with a Specialization in Transportation Systems Engineering
- *Organizations:* Vice-President of Outreach for Institute of Transportation Engineers (2014-2015), Communications Chair for Women's Transportation Seminar (2014-2015), and active member of the Student Planning Association

*Bachelor of Science in Mechanical Engineering with Honor*

8/2004 – 5/2009

- Completed Undergraduate Degree and a Certificate in Industrial-Organizational Psychology
- *Organizations:* Founder / President of Students Organizing for Sustainability (2007-2009), GT Off-Road Team

## Honors

ENR Southeast Top Young Professional Nominee (2023)  
Georgia Tech Alumni Association 40 Under 40 (2021)  
ATL Bicycle Coalition Innovation in Safety Award (2021)  
Georgia Engineering Foundation Scholarship (2015)  
ITS Georgia Scholarship (2015)  
Dwight D. Eisenhower Graduate Fellowship (2014, 2015)

Georgia Tech SCarP Outstanding Service Award (2015)  
Georgia ITE Scholarship (2014)  
Atlanta BeltLine Volunteer Spotlight (2014)  
Order of the Engineer (2009)  
Spotlight in Georgia Tech Blueprint Yearbook (2009)  
Georgia Tech Environmental Leadership Award (2009)

## Leadership Experience / Community Engagement

**Groundwork Atlanta**, *Founding Board Member (2014-2024), Programs Chair (2015-2017), President (2017-2022)*

- Provided strategic leadership for the Board of Directors and staff of this local startup non-profit organization, which works to advance community-supported sustainable redevelopment (especially on brownfield sites) in Atlanta
- During my tenure as President, leveraged relationships and guided Board and staff activities to bring in over \$600,000 in revenue for the organization and over \$1.5 million in grants for our projects and programs
- Lead organizer and logistics manager for AgLanta Eats Food Festival hosted at the Atlanta Botanical Garden with over 1,000 attendees, in partnership with the City of Atlanta AgLanta Grown team
- Launched multiple award-winning programs and projects focused on urban agriculture, clean water, multi-use paths, and brownfield redevelopment through partnerships with the City of Atlanta, Fulton County, U.S. EPA, and more
  - Played a critical leadership role since 2016 in protecting and remediating the Chattahoochee Brick site for future development of waterfront paths and a memorial park in Atlanta. *Winner of 2023 Most Influential Revitalization Effort in Atlanta Real Estate Award from the Atlanta Business Chronicle.*
  - The Proctor Creek Trash Traps Pilot Project deployed six (6) devices for catching litter in the Proctor Creek watershed in partnership with the U.S. EPA, NRPA, West Atlanta Watershed Alliance, Georgia Trade-Up and many others. *Winner of 2020 River Sustainability Award from the Chattahoochee Riverkeeper.*
  - The AgLanta Grows-a-Lot program has converted seven (7) previously vacant sites to urban farms and gardens in partnership with the City of Atlanta. *Finalist for 2019 Engaged Cities Award from Cities of Service.*

**Atlanta Bicycle Coalition (now PropelATL)**, *Volunteer (2012-Present)*

- Led pro bono data analysis and mapping projects including development of the Infrastructure Project Tracker
- Volunteered and recruited others to gather data on bicycle traffic in Atlanta, tripling the sites captured previously
- Events volunteer for *Atlanta Streets Alive (2012)* and shift leader for *Tour de Fat (2013)*

**Women's Transportation Seminar (WTS) Atlanta Chapter**, *Georgia Tech Liaison (2017), AECOM Liaison (2018-2022)*

- Served as an advisor to leaders of WTS at Georgia Tech and as a key contact between them and WTS Atlanta
- Served as the point of contact between WTS Atlanta and AECOM's Atlanta office, facilitating a \$10,000 donation
- Volunteer on the Scholarship Luncheon Committee to support the silent auction, raffle, and event execution

**City of Atlanta Neighborhood Planning Unit (NPU) D**, *Hills Park Representative (2014-2018)*

- Served as one of two Hills Park neighborhood representatives for our local NPU (a formal community engagement body for the City of Atlanta)

**Young Professionals in Transportation (YPT) Atlanta**, *Vice Chair for Programs (2014-2015)*

- Lead organizer of local chapter events and initiatives, including technical tours, networking events, socials, and other gatherings, to help build connections among young professionals working in transportation

**Atlanta BeltLine Partnership**, *Lead Volunteer (2012-2018), Speakers Bureau Administrator (2013-2018)*

- Volunteer responsible for managing community cleanup service projects along the Atlanta BeltLine corridor
- Organized speaking engagements for our volunteer speakers to inform people in metro Atlanta about the project

**Students Organizing for Sustainability (SOS)**, *Founder and President (2007-2009)*

- Launched this organization with support from hundreds of student and faculty volunteers
- Developed a collaborative structure where any member could initiate and build support for their project ideas
- Played a leading role in organizing the Starter Bikes volunteer cooperative program with Atlanta Bicycle Coalition

## Skills / Competencies

Collaborative Leadership: Strategic Planning / Stakeholder Engagement / Staff Recruitment / Team + Network Development

Technical: Transportation Planning / Traffic Engineering / Emerging Technologies / Decision Support Tools / Data Analysis

Software: ArcGIS / Python / Synchro / Sidra / Replica / Streetlight / TrafXSAFE / Streetmix / AutoCAD / Microstation

Communications: Public Speaking / Technical Editing / Proposal + Report Writing / Web + Graphic Design / Photography

## **Public Speaking Experience**

**Georgia Bike-Walk-Live Summit**, Decatur, GA (hosted by Georgia Bikes)

*Bike/Ped Funding Workshops – 10/4/24*

**Webinars on Pedestrian and Cyclist Infrastructure Funding**, Virtual, GA (hosted by Georgia Bikes)

*Funding On-Street Bike/Ped Infrastructure – 8/21/24*

*Funding Local Trail Projects – 9/11/24*

**Southern District ITE Annual Meeting**, Savannah, GA (hosted by Institute of Transportation Engineers)

*Innovative Multimodal Safety Tools and Case Studies from Georgia State Routes – 3/20/23*

**Georgia Bike-Walk Summit**, Virtual, GA (hosted by Georgia Bikes)

*Innovative Multimodal Safety Tools and Case Studies from Georgia State Routes – 11/4/22*

**Young Alumni Speaker Series**, Atlanta, GA (hosted by Georgia Tech Woodruff School of Mechanical Engineering)

*Invited Speaker presenting My Life in High Gear – 4/14/22*

**Chapter Meeting of the American Society of Civil Engineers**, Atlanta, GA (hosted by ASCE at Georgia Tech)

*Invited Speaker presenting My Life in Shades – 11/2/21*

**Georgia Walks Summit**, Virtual, GA (hosted by Pedestrians Educating Drivers on Safety)

*Planning for Safer Pedestrian and Bicycle Infrastructure on State Routes – 10/22/20*

**Urban Transportation and Sustainability: A German-American Dialogue**, Atlanta City Hall, Atlanta, GA (hosted by the Consulate General of the Federal Republic of Germany)

*Aerial Gondolas for More Sustainable and Resilient Cities – 9/13/18*

**Northwest Community Alliance (NCA) Meeting**, Northside Church of God, Atlanta, GA

*Technology Enterprise Park City Planning Studio Project Presentation – 3/16/16*

**Perimeter Connects Lunch and Learn Series**, Various Locations, Atlanta, GA

*Shared-Use Mobility Applications – 7/8/15, 7/9/15, 8/13/15*

*Commuter-Friendly Work Sites – 8/6/15, 8/7/15*

**Southeastern Regional Transit Conference**, Loudermilk Center, Atlanta, GA (hosted by the FTA)

*Forgotten Transit Modes – 5/14/15*

**Atlanta Studies Symposium**, Historic Academy of Medicine, Atlanta, GA

*Mapping Pedestrian Connectivity Gaps in Atlanta – 5/6/15*

**Liam's Legacy Symposium**, Georgia Institute of Technology, Atlanta, GA

*Invited Speaker for a Panel Discussion on Sustainability – 11/11/14*

**Southeast Planning Students Conference / Florida American Planning Association (APA) Conference**,

Hyatt Regency Hotel, Jacksonville, FL

*Walkability and Transit Usage in Atlanta – 9/6/14*

**Georgia Chapter Institute of Transportation Engineers (ITE) Meeting**, Maggiano's Little Italy, Atlanta, GA

*Introducing the Atlanta Skyway – 3/14/14*

**Atlanta Pecha Kucha Night Volume 19**, Octane Grant Park, Atlanta, GA

*Introducing the Atlanta Skyway – 8/11/13*

**Southeast Student Renewable Energy Conference**, University of North Carolina Asheville, Asheville, NC

*Renewable Energy Technologies – 11/6/11*

*Mini-Keynote Address – 11/5/11*

**AASHE 2011 Conference**, David L. Lawrence Convention Center, Pittsburgh, PA

*Using Social Media Effectively to Drive Campus Sustainability – 10/11/11*

**Guest Lecture for Dr. Michael Black's Sustainability Course**, Georgia State University, Atlanta, GA

*Living a Sustainable Lifestyle – 10/5/11*

**Earth Tomorrow Summer Institute**, Georgia Institute of Technology, Atlanta, GA

*A Student's Guide to Sustainable Dining – 6/14/11*

### ***Event Planning Leadership\* and Support Experience***

**AECOM Atlanta Winter Celebration\***, State Farm Arena, Atlanta, GA (2023)  
**AECOM Atlanta Equity, Diversity, and Inclusion Lunch Series\***, AECOM Office, Atlanta, GA (2022, 2023)  
**AECOM Atlanta Social Events\***, Various Locations, Atlanta, GA (2021, 2022, 2023)  
**AgLanta Eats Food Festival\***, Atlanta Botanical Garden, Atlanta, GA (2018, 2019, 2022, 2023)  
**AECOM Atlanta Service Projects\***, Various Locations, Atlanta, GA (2019, 2021)  
**Young Professionals in Transportation (YPT) Atlanta Events\***, Various Locations, Atlanta, GA (2014, 2015)  
**Atlanta Green Drinks\***, Various Locations, Atlanta, GA (2013)  
**Generation Green Urban Day Hike\***, Atlanta BeltLine Trail, Atlanta, GA (2012, 2013)  
**Liam Rattray Day of Service\***, Wheat Street Gardens, Atlanta, GA (2012, 2013)  
**North Carolina Greenforce Conference\***, Davidson County Community College, Thomasville, NC (2011)  
**AASHE / NWF Student Summit\***, David L. Lawrence Convention Center, Pittsburgh, PA (2011)  
**GCSN Water Conservation and Reuse Workshop\***, Georgia Southern University, Statesboro, GA (2011)  
**North Carolina Student Energy Network Retreat\***, Chestnut Ridge Camp & Retreat Center, Efland, NC (2011)  
**Chattooga River Rafting Adventure\***, Chattooga River, Clayton, GA (2011)  
**Sustainability and Curriculum “Train the Trainer” Workshop\***, Agnes Scott College, Decatur, GA (2011)  
**Power Shift Conference**, Walter E. Washington Convention Center, Washington, D.C. (2011)  
**Western North Carolina Greenforce Summit\***, Asheville-Buncombe Technical Community College, Enka, NC (2011)  
**Central North Carolina Greenforce Summit\***, Guilford Technical Community College, Greensboro, NC (2011)  
**Eastern North Carolina Greenforce Summit\***, Pamlico Community College, Grantsboro, NC (2011)  
**AASHE / NWF Student Summit\***, Colorado Convention Center, Denver, CO (2010)  
**GCSN Sustainable Dining Workshop\***, Kennesaw State University, Kennesaw, GA (2010)  
**Green and Live Rally with the Hip-Hop Caucus\***, Florida A&M University, Tallahassee, FL (2010)  
**Georgia Campus Sustainability Meeting\***, Macon State College, Macon, GA (2010)  
**Carolinas Power Shift Conference\***, University of North Carolina at Chapel Hill, Chapel Hill, NC (2009)  
**Florida Power Shift Conference\***, University of Central Florida, Orlando, FL (2009)  
**Georgia Tech Sustainable Fashion Show\***, Georgia Institute of Technology, Atlanta, GA (2008, 2009)  
**SOS Lecture and Documentary Series\***, Georgia Institute of Technology, Atlanta, GA (2008)

### ***Research Highlights***

#### **Urban Transit Technology Selection Tool Development, *Thesis Project (Aug. 2014 – Aug. 2016)***

Comparing transit modes in terms of safety, reliability, environmental, economic, and other factors and developing decision-support tools to help inform planners, engineers, and policymakers with regard to transit technology selection.

#### **Minutes Matter: A Guide to Bus Transit Service Reliability, *TCRP Report A-42 (Jan. 2016 – Aug. 2016)***

Conducted a literature review of more than 175 documents taken from North American and international research to serve as the basis for development of this guide to bus transit service reliability.

#### **Technology Enterprise Park / Westside Studio, *City Planning Studio Project (Aug. 2015 – Mar. 2016)***

Developed preliminary feasibility study and vision for expansion of the Georgia Institute of Technology campus and mixed-use development on over 60 acres southwest of the main campus. Concepts and recommendations put forth from our studio served as a primary source of inspiration for the consultant feasibility study and master planning that followed. This project, now called Science Square, is under construction with Phase 1 completed in 2024. This development will add 1.8 million square feet of lab and office space, 500 residential units, and 25,000 square feet of retail space to serve Georgia Tech and the surrounding communities. Transportation recommendations developed by our team are also moving forward, including the recently completed BeltLine Connector Trail along a former railroad corridor and reconnection of the Georgia Tech campus and Marietta Street Artery to westside communities via the Bankhead Bridge.

#### **Use of Web-Based Rider Feedback to Improve Public Transit Service, *TCRP Report 179 (May 2014 – Feb. 2015)***

Provides a toolkit of practices, emerging platforms, and promising approaches for utilizing customer web-based and electronic feedback to help improve public transit services.

#### **Mapping Pedestrian Barriers in Atlanta, *Individual Project (May 2014 – Aug. 2014)***

Using GIS and other tools, identified, mapped, and analyzed more than 500 major pedestrian barriers (areas of 10 acres or more) in Atlanta, including the airport, interstates, interchanges, rivers, private developments, and railroads.

# Work Samples

## [Connect and Protect: Atlanta Bicycle Network](#)

Planning analysis using crashes and other data to envision and prioritize a comprehensive on-street bicycle network in and around Atlanta

## [Funding On-Street Bike/Ped Infrastructure](#)

Webinar delivered as part of the launch of the GO Georgia Grants Assistance Program

## [Innovative Multimodal Safety Tools and Case Studies from Georgia State Routes](#)

Presented at the Georgia Bike-Walk Summit in 2022

## [Atlanta Bicycle Coalition Innovation in Safety Award Winners – GDOT and AECOM](#)

Video recorded for the Blinkie Awards in 2021 (my portion starts at 5:00)

## [Atlanta Intown Multimodal Safety Analysis](#)

Safety analysis including maps and graphics (example is a draft report containing exclusively my work, which was later incorporated into GDOT's larger study)

I also built my company website and designed our logos: <https://aurorainnovativesolutions.com/>



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