The Shi Center for Sustainability and the Collaborative for Community-Engaged learning are pleased to request applications for student fellowships for Summer 2019. All current Furman students are eligible to apply. Students from all majors are encouraged to apply.

David E. Shi Center for Sustainability

*The Collaborative for Community Based Learning postings begin on page 7 this document.

The Shi Center for Sustainability is pleased to request applications for student sustainability fellowships for Summer 2019. These fellowships pay $3600 for the summer and require approximately 10 consecutive weeks of full time work between June 10th and August 16th. They focus on sustainability research and service on campus and in the community. Student Fellows will gain leadership and collaborative skills through their work with community organizations and common learning and activities.

TO APPLY: Please submit a resume, short statement of interest (no more than 500 words) that includes the name of the fellowship(s) desired, and the names of two references (professors on campus are preferred). Please submit these materials as attachments to your email. These will be shared with the site supervisor prior to interviews. Please email your application to Kelly Grant Purvis (Shi Center Associate Director of Sustainability Programs) at kellygrant.purvis@furman.edu no later than Friday, January 25th, 2019. If you are interested in more than one fellowship, please provide a statement of interest for each position as separate documents. If applying to more than one position, please rank your choices in the email. Ms. Purvis will follow up with successful applicants to schedule an interview.

For additional information about our fellowships please visit: http://www.furman.edu/academics/shicenter/programs/Pages/Student-Fellows.aspx

On-Campus Position Listings:

Sustainable Agriculture Student Assistant Furman Farm Manager: This fellow will work with the staff Farm and Compost Manager to coordinate student labor and volunteers, coordinate publicity and outreach, and other duties as assigned in support of the Dining Hall produce sales, the university’s composting program, the farm’s aquaponics facilities, and the farm’s Community Supported Agriculture (CSA) program. The Student Assistant Farm Manger will maintain data including records of plantings and inputs at the farm and assist with planning and execution of education and outreach efforts. Additionally, the fellowship supports a research project related to local or sustainable agriculture to be
conducted under the supervision of the Farm and Compost Manager. This position may require weekend hours.

**Shi Center Communications and Outreach Fellow:** This fellow will work with the center’s Associate Director of Sustainability Programs to manage student outreach for sustainability and the Shi Center on campus. Responsibilities include organizing the Shi Center’s bike rental program, sustainability campaign implementation, event planning, hosting Center tours, liaising with student fellows & student organizations throughout campus on various projects, maintaining the Shi Center for Sustainability’s social media outlets, and representing the Shi Center at Summer Orientation & other outreach events. Enthusiasm about sustainability and an interest in generating collaboration on campus are required for this position.

**Greenville Community Position Listings:**

**GHS Population Health Initiatives Fellow:** This fellow will work with staff and programs of the Accountable Communities department, specifically and primarily with the Director of Access Health Greenville & Laurens Counties (AHGL). AHGL, a program of The Duke Endowment, strategizes equitable healthcare access for all by creating data-driven models for the low-income uninsured. Other programs in Accountable Communities with which the fellow may engage include the Neighborhood Health Partners (NHP) community paramedics and community health workers. The fellow may also work on the Mobile Health Clinic. The fellow will work closely with staff to implement current programming around population health initiatives and patient-centered medical neighborhoods (PCMN). PCMN are areas of greater Greenville identified through heat-mapping of vulnerable populations, uninsured, and underinsured patients. The fellow will gain exposure to and experience with grant-funded programs, reporting, and measurement. The fellow may be required to lead focus groups, stakeholder interviews, and other duties as assigned. The fellow should have an interest in policy, healthcare, poverty studies, psychology, behavioral health, and other closely related fields.

**Project Host Farm to Table to Community Fellow:** Project Host uses food as a tool to nourish the hungry and train the unemployed. This fellow will work with the Project Host Farm Team, the Soup Kitchen Manager and volunteers to grown food and literally feed our community. The Project Host fellow will work with a volunteer garden coordinator managing the garden at Project Host. This fellowship will require some garden experience or willingness to learn, as well as experience with social media. The fellow will have an overview of all programs at Project Host, shadow all staff members, learning farming techniques for greenhouse, field and hydroponic systems. For more information about Project Host please visit: [www.projecthost.org](http://www.projecthost.org).

**Greenville Zoo Education and Conservation Programs Fellowship:** The City of Greenville, SC, Parks and Recreation Department is responsible for managing the Greenville Zoo. The zoo is accredited through the Association of Zoos and Aquariums and participates in multiple conservation, species survival, and research and sustainability initiatives. This fellow will work with the Conservation Chair (Deputy Zoo Administrator and Veterinarian) and the Education Curator for the Greenville Zoo to evaluate and participate in conservation efforts and practices, combat nature deficit disorder for children through
outdoor programming, and enhance public conservation education at the zoo. The zoo’s website is available at:  http://www.greenvillezoo.com/pages/.

Mill Village Farms At-Risk Teen Work Crew Captain: Mill Village Farms (MVF) works to transform vacant properties into bountiful gardens to grow produce for local communities and strives to grow employment opportunities for neighborhood youth. MVF’s goal is to train up youth to have experience in basic job skills, sustainable agriculture, and entrepreneurship. The MVF team leader will lead a diverse group of 6-8 teenagers (“crew”) who work together throughout the summer on farms in Greenville County. This team leader will be the point of contact for crew member parents/guardians and will be responsible for leading activities. The fellow must have prior experience working with teenagers, an interest in community service and multicultural team building, and the ability to speak to groups. Also, the fellow must have a driver’s license, clean driving record and access to a car. Visit http://www.millvillagefarms.org/ for more information.

Feed & Seed Food Hub - Food Diversity Choices Community Engagement Fellow: Feed & Seed, based in Greenville, is a learning center for farm, food, and related business in the context of a working farm, market, commissary, and distributor. The fellow would work with Feed & Seed stakeholders in the community to measure the diverse seasonal food demands of residents in the Upstate. This fellow will assist with information-gathering to better understand both the met and unmet needs of newer arrivals to the region as they start working in our burgeoning economy. This fellow will help Feed & Seed understand links between racial, economic, cultural, and food preferences. The fellow will work with partner organizations such as Hispanic Alliance, International Upstate, and Ten At The Top as we gather this critical information. The fellow will meet many people and learn much about food, culture, and consumer research. Attention to detail and access to a vehicle are needed for this position. For additional information visit:  http://www.feedandseedsc.com/.

TreesGreenville Youth Tree Crew Leader: TreesGreenville plants between 400-900 trees every year. The first two years after planting are the most essential for long-term survival. Our mission is to plant and grow legacy trees that will live for 100+ years providing important environmental, economic, and social benefits to the Greenville community. In order to ensure long-term survival and health of our trees, we work with a summer youth crew to provide tree care and to engage in green jobs training for high school students. TreesGreenville cares for 300+ trees every summer with weekly watering, as well as 1,000+ trees with weeding, staking, mulching, and pruning. They partner with Mill Village Farms (see above listing) to engage high school youth in green jobs to care for these trees. TreesGreenville is looking for a student interested in outdoor field work, volunteer coordination, and youth training. The fellow will lead 3 high school students to care for trees in the field and will have opportunities to schedule and coordinate volunteer events.

Upstate Forever Critical Lands in Our Communities Fellow: This fellow will work with the Land Stewardship Manager to develop a scientific research question and methodology to inform the management and climate resiliency of Upstate Forever’s conservation lands. Examples of suitable research projects include biological surveys, ecological monitoring, restoration ecology, or connectivity analysis, and may complement the student’s interests. The ideal candidate would have a strong
interest in conservation ecology, planning, and ArcGIS. For additional information, visit: https://upstateforever.org/upstate-critical-lands-mapping-project/

The Village Wrench Program Crew Leader Fellow: This fellow will lead four teenagers at the Village Wrench Bike Shop, focusing on youth job training, recycled bicycle transportation, and repair skills for community members in West Greenville. The fellow will be responsible for preparing and leading a 6-Cycle youth summer camp session and providing ongoing guidance and feedback to youth apprentices. The applicant must have prior experience working with teenagers, excellent customer service skills, a passion for bicycles, and an interest in community development and multicultural team building; mechanical bike repair skills are a definite plus. Other responsibilities include online and storefront retail sales, program marketing, fundraising event planning, hands-on bike repair at the shop, and administrative assistance. For additional information, visit www.villagewrench.org.

City of Greenville Environmental Fellow: The City of Greenville (COG) Environmental Engineering Office oversees the storm water, sanitary sewer, and floodplain management components for the city. Engineers with the city are constantly assessing water resources within the city in order to design and implement projects that improve streambank stability and water quality. Previous inspections have provided general areas for streambank projects. This fellow will assist with obtaining additional geomorphologic data for stream reaches in order to further refine the scope of stream enhancement projects. The fellow will also assist in various activities regarding environmental compliance activities related to storm water, sanitary sewer and floodplain management. A mix of field and office work will provide good exposure to this fellow regarding the environmental engineering industry.

City of Travelers Rest Master Plan Development Fellow: This fellow will report to the city’s Planning Director and work with Patrea St. John on specific issues that impact two of the city’s priorities: affordable housing and sustainable food systems. The fellow will develop a data base of current operating short-term rental properties in the city limits and research effective regulatory tools of addressing this issue and its impact on the city’s affordable housing. The fellow would then present the analysis and recommendations to the city’s Planning Commission and the city council. In addition, the City of Travelers Rest has been defined by the USDA as a food desert. The fellow will evaluate the Travelers Rest food systems cycle from inputs to production, distribution, consumption, and waste management. This evaluation tool will be used to measure the assets and needs in the community and point to opportunities for improving the food system with community intervention through policy-making and partnerships. The overall goal is to develop a vision and plan for developing a more sustainable food system for the city.

LiveWell Greenville Advocacy Fellow: LiveWell Greenville is seeking a fellow to assist in the development of an advocacy platform that would draw from Public Health, Marketing/Communications, or Political Science interests. This fellow will report to the Partner Engagement Director to build an Advocacy Communications Campaign which includes compiling political lines for elected officials including school boards of trustees, city council members, county council members and state level elected officials. The fellow will overlay this information with current specified neighborhood data; research involvement of elected officials in other communities with a healthy eating, active living coalition and make recommendations for engagement of Greenville elected officials. Additionally, the
fellow will create an advocacy campaign and assist in planning and inviting elected officials to The Wellies: LiveWell’s Annual Recognition Event in Fall 2019. For more information on LiveWell, go to www.livewellgreenville.org.

SCELP (South Carolina Environmental Law Project) Beachfront Law Research Fellow: Practitioners of environmental law in South Carolina have been waiting for what might be called the "inevitable conflict," which is that tipping point when sea level, erosion, and storms begin to imperil oceanfront structures on a large scale. Based on our work over the last year, it seems that the inevitable conflict has arrived. South Carolina has always had oceanfront structures that are threatened temporarily by one-time storms or passing natural patterns. The current conditions are altogether different, and our environmental laws must be wielded in new and creative ways in order to respond to these new conditions. This fellow will assist in several threads of litigation that are active on this issue, as well as participating in policy work at the state level to promote productive legislative response. SCELP’s aim is to protect natural resources and public access to coastal resources. The majority of this fellowship will be completed in Greenville; however, this fellow will need access to a vehicle for occasional travel to coastal areas in South Carolina.

Oak Hill Café and Farm Fellowship: This fellow will have the opportunity to experience all aspects of the farm-to-table movement in one setting. Oak Hill Café is located just 5 minutes south of Furman on Poinsett Highway. Oak Hill Café is a working organic permaculture farm, plus a restaurant and market, that will open in early 2019. The fellow will learn how to cultivate and maintain an urban organic farm from seed to harvest, packaging and marketing a small Community Supported Agriculture Program (CSA), and work in Oak Hill Café’s restaurant that uses produce from the garden in unique and sustainable ways. The fellow will be exposed to all aspects of the business side and learn about waste reduction and packaging, innovative cooking techniques, baking techniques, marketing and branding, health, serving with a team, research and development of cutting edge food techniques, and educational aspects of what farm-to-table means. The fellow has freedom to choose which aspect s/he wants to focus on, but will have exposure to all parts of the business. This fellow will split time between the farm and the restaurant. The fellow will report to Aaron Von Frank and Chris Miller for the farm, and David Porras and Lori Nelsen in the restaurant/market.

Urban Seas Aquaculture Fellowship: This fellow will work at an indoor aquaculture facility in Greenville, SC. This fellow will 1) Help with the day-to-day activities in running an aquaculture facility. This includes, but is not limited to, basic water testing, shrimp handling, and tank upkeep. 2) Help implement a sustainable fisheries guide for local restaurants to use. This includes, but is not limited to, sustainable seafood marketing and talking with local chefs and restaurant managers. The fellow will gain a wealth of knowledge in running a small business, managing an indoor recirculating shrimp farm, and working directly with consumers to promote sustainable seafood. For more information visit: www.urbanseasaquaculture.com.

That Garden Guy Local Micro-Farm Development Fellowship: This fellow will be involved in all aspects of a small "farmer for hire" business dedicated to helping people grow food in and around Greenville, SC. That Garden Guy, LLC specializes in the design, installation, and maintenance of everything from raised beds and "yardens" to on-site restaurant micro-farms and high rotation small-plot intensive food
production. Focusing on regenerative agriculture, That Garden Guy, LLC practices no-till/minimal till techniques emphasizing soil health, working to increase biodiversity, attracting beneficial/pollinator species, and adopting permaculture design principles. The organization’s goal is to increase access to fresh, local, organic produce while providing a service/education to those who wish to make their space moreproductive. In addition to the installation of numerous home-scale gardens, there are a handful of larger gardens/micro-farms for commercial companies and restaurants that are operated using intensive no-till/regenerative agriculture practices. The majority of the working time will be spent on the small restaurant farms, harvesting/planting, and general farm maintenance. The fellow will work with a team, as well as independently. In addition to regular operations, s/he has freedom to choose a project related to the farm operation that s/he is passionate about, and will take ownership of that endeavor, (i.e., bees, orchard, perennials, mushroom production, wild food foraging, etc.) Working directly with the chefs and business owners, That Garden Guy, LLC grows food year-round only feet from where the food is prepared and consumed. The fellow will report to Chris Miller the owner/operator. Visit: https://www.yeahthatgardenguy.com/ for more information.

**Horseshoe Farm Permaculture Fellowship:*** This fellow will be involved in all aspects of operating a small-scale, beyond-organic, no-till regenerative farm following permaculture principles. Horseshoe Farm is located just 5 minutes and 1.2 miles from downtown Travelers Rest and about 8 minutes north of Furman at 650 McElhaney Rd. This farm is a partnership between Chris Miller of That Garden Guy, LLC, https://www.yeahthatgardenguy.com/ and Greg McPhee of The Anchorage http://www.theanchoragerestaurant.com/. The produce grown will be sold to The Anchorage and to other local restaurants, wholesale accounts, farmers markets, and used for a new twist on the familiar CSA model: a “Gourmet CSA” which will include value-added products from our partners at The Anchorage. The fellow will be learning everything from seed to harvest on a small-scale intensively grown farm, packaging and marketing for the CSA and restaurant/wholesale accounts, developing relationships with chefs, and will also have the opportunity to network with other farms and farmers. The fellow will be exposed to all aspects of the business side and will get hands-on experience in the field. S/he will be working with a team, as well as independently. In addition to regular operations, the fellow has freedom to choose a project related to the farm operation that s/he is passionate about, and take ownership in that endeavor, (i.e., bees, orchard, perennials, mushroom production, wild food foraging, etc.) The fellow will report to Chris Miller owner/operator.

**Regional Community Position Listings:**

**Carl Sandburg Home National Historic Site Citizen Science Fellow:**  Note: this position is based at the Carl Sandburg National Historic Site in Flat Rock, NC. The goal of this fellowship is to inform, inspire, educate, and promote awareness of issues revolving around climate change. The fellow will present programs on how climate change affects people, the environment, and ecology, and will lead the citizen science program. This fellow will serve as the liaison between the park, community, and climate change leaders and conduct research with park professionals and interested stakeholders about the local and regional effects of climate change. The fellow will develop and present a variety of educational and interpretive offerings to inform and educate the public on matters of climate change. Visit: http://www.nps.gov/carl/index.htm for more information.
**Carl Sandburg Home National Historic Site Education Fellow:**  
*Note: this position is based at the Carl Sandburg National Historic Site in Flat Rock, NC.* The goal of this fellowship is to foster in young people an understanding and appreciation of the contributions made by Carl Sandburg as a poet, historian, and American and to share with young people the home and lifestyle of the Sandburg family at Connemara. This fellow will assist the Education Program Coordinator in preparing and presenting summer Parkkids education and experience programs by leading existing on-site education programs (30%), assist with education curriculum development research (30%) assist with Citizen Science Research and Learning Opportunities (20%), assist with administrative duties (10%), provide assistance to visitor center staff, and other duties as assigned (10%). Visit: [http://www.nps.gov/carl/index.htm](http://www.nps.gov/carl/index.htm) for more information.

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**The Collaborative for Community-Engaged Learning**

The Collaborative for Community-Engaged Learning (CEL) is pleased to request applications for student CEL fellowships for Summer 2019. These fellowships pay $3600 for the summer and require approximately 10 consecutive weeks of full time work between June 10th and August 16th. They focus on community-based research and projects on campus. Student Fellows will gain leadership and collaborative skills through their work with community organizations and common learning and activities. While the fellowships are located on campus, there will be ample opportunity to collaborate with a variety of community partners off campus.

**TO APPLY:** Please submit a resume, short statement of interest (no more than 500 words) that includes the name of the fellowship(s) desired, and the names of two references (professors on campus are preferred). Please submit these materials as attachments to your email. Please email your application to Mike Winiski (CEL Director) at mike.winiski@furman.edu no later than **Friday, January 25th, 2019**. If you are interested in more than one fellowship, please provide a statement of interest for each position as separate documents. If applying for more than one position, please rank your choices in the e-mail. Mike Winiski will follow up with successful applicants to schedule an interview.

For additional information about CEL please visit: [https://www.furman.edu/centers-and-institutes/collaborative-for-community-engaged-learning/](https://www.furman.edu/centers-and-institutes/collaborative-for-community-engaged-learning/)

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**On Campus Fellowships:**

**Information Visualization and Communication Fellow:** Community-based projects and research generate a lot of data. Communicating that information clearly to stakeholders can be challenging. Some of the best data designers like Nathan Yau of [Flowing Data](https://flowingdata.com), Hans Rosling of [Gapminder](https://www.gapminder.org), and the [infographics team at the NY Times](https://www.nytimes.com/section/learning), combine art and computer programming to create compelling and beautiful visual stories that lead to deeper insight. We’re looking for a fellow to help us take our data visualizations and infographics to the next level. This fellow will work both on campus and with our community partner, Openfields (in downtown Greenville), via a collaboration we are calling the Community Insight Lab. Graphic design experience (including Adobe Illustrator) and familiarity with
visualization tools (R and Tableau) are preferred. However, a passion for digital, visual communication and learning new technology are equally important.

**Community Podcast Fellow**: Podcasting has grown rapidly in the last several years. Compelling stories can be heard on podcasts like Ear Hustle, This American Life, Radiolab, and Serial. Marc Maron started a podcast on a shoestring in his garage, and now interviews presidents, movie stars, and famous musicians. This student fellow will develop a podcast series focusing on one or more issues that are less seen in Greenville. Topics could include the challenges of public transportation, affordable housing, homelessness, and finding employment post-incarceration. We’re looking for a fellow to help us take our audio storytelling to the next level. This fellow will work both on campus and with our community partner, Openfields (in downtown Greenville), via a collaboration we are calling the Community Insight Lab. The fellow should be comfortable interviewing individuals and have experience with audio editing tools such as Garage Band, Audacity, Adobe Audition, or other tools. However, a passion for podcasting, empathetic listening, storytelling, and learning new technology are equally important.

**Affordable Housing Research Fellow**: With Greenville’s growth, finding affordable housing options has increasingly become a challenge. Greenville county lacks 9,432 affordable units while the city is in need of about 2,500. One way to work towards adding more options to the existing housing stock is through Missing Middle housing. As defined by Opticos Design consulting group, “Missing Middle is a range of multi-unit or clustered housing types compatible in scale with single-family homes that help meet the growing demand for walkable urban living.”

Research questions include: How have housing prices changed in recent years? How can housing in Greenville become more inclusive? What can we learn from other cities? What active steps are needed to reach the similar goals of STAR Communities and the Greenville Housing Fund to “further the production and preservation of quality affordable and workforce housing that meets the needs of all residents regardless of income”? Do zoning and building regulations support the type of density and design that would yield more dense and affordable options? If not, how would these regulations need to change? GIS Experience is preferred.

**STAR Communities Fellow**: The STAR Community Rating System (STAR) is a tool used to evaluate a city or county’s sustainability efforts across eight overarching categories (Built Environment, Climate & Energy, Economy & Jobs, Education, Arts & Community, Equity & Empowerment, Health & Safety, and Natural Systems). STAR provides objectives within each of these categories, measures for evaluation, and provides concrete actions for improvement. We have begun to explore community indicators within each of these categories for our local community. The overarching goal is to have a baseline of information about Greenville and to align government, non-profit, business, and academic work to improve community well-being. This fellow would work to centralize existing data and measure additional community indicators. The ideal candidate would have a background in computer science and have experience with GIS. Visit [http://www.starcommunities.org/](http://www.starcommunities.org/) for more information.