

City Beautification Board
Applicant Package - Member

City Beautification Board - Member

Term 01 Nov 2023 - 01 Nov 2026

Positions Available 4

Number of applicants in this package 2

- Garcia, Fernando (reapplying)
- Withdrawn

Name: Garcia, Fernando

Address: 710 NW 4th St., FL, 32601

Email: f.garcia@icloud.com

Board Name: City Beautification Board

Please confirm Full Name, including middle initial, prefix, and physical mailing address:

Fernando Garcia, 710 NW 4TH ST. Gainesville, Florida 32601

In what city district do you live?:

District 1

Employer:

Gemini Seawater Systems

Phone Number:

9546465896

Occupation:

Engineering Project Manager

Why are you interested in serving on this board? (Please answer separately for each board you are applying to.):

As a witness to the growth of Gainesville over the short course of 5 years living in this city; It is clear to see Gainesville is open to a wide array of probabilities in terms of its development. We see the rapid development of multi family housing and student complexes as well as the development of public parks and public infrastructure. It would be an honor to join in this effort to guide the city towards developing in a manner that puts the quality of life of its citizens in the forefront of its efforts. A city may have beautiful building and institutions, however it is the beauty in its parks, walkways, and urban ecology that gauge the level of safety, security, and economic productivity of the area. In that respect, the City Beautification Board is a perfect tool in the Commissions arsenal to ensure the necessary steps are taken to balance urban growth with environmental enhancement for the betterment. With my background in engineering project management for large scale utilities developments in the Carribean and Pacific islands, I look foward to applying the same perspective towards working with the board to advise on such initiatives.

How many terms have you served on this board previously?:

1

Disclaimer:

Under Florida law, all information, including e-mail, written letters, documents and phone messages, sent to the Gainesville City Commission are subject to Public Records law. This includes the sender's e-mail address, home address or phone number if shown in the message, the content of the message and any associated attachments to the mail.

Do you claim any exemption to public record disclosure pursuant to FLA. STAT. Section 119?:

No

Have you been removed from any advisory board for attendance, behaviour or another reason?:

No

What is your gender identity?:

Male

Optional: Ethnicity:

Other

Are you a City of Gainesville Employee?:

No

Are you a City of Gainesville Intern?:

No

Are you currently on a City Advisory Board/Committee?:

Yes

If yes, which City Advisory Board/Committee?:

The Beautification Board

Some of the boards and committees appointed by the City Commission are required to comply with Chapter 112, Florida Statutes, the Financial Disclosure Law. If applicable, would you be willing to file the required financial statement?:

Yes

Do you affirm that your personal and business (if applicable) affairs within the City of Gainesville and Alachua County are in substantial compliance with all city and county regulatory and taxing authorities rules and regulations? *:

Yes

Do you agree with the following statement? Appointees to advisory board/committees are required to attend scheduled meetings as specified in the "Advisory Board Handbook." *:

Yes

Do you agree with the following statement? I understand that this completed application is the property of the City of Gainesville, is subject to public record requests and I hereby certify that the statements made on this application are true and correct. :

Yes

Time of Submission: 11/14/23 8:08:25 AM

Attachments

- Fernando Garcia Resume 2023.pdf

Fernando Garcia

f.garcia@icloud.com · 710 NW 4th St., Gainesville, FL · (954)-646-5896 ·
www.linkedin.com/in/fernandogarcia

EDUCATION

- University of Florida** - Gainesville, FL **December 2021**
- Bachelor of Science in Civil Engineering focus in Water Engineering
- City University of Hong Kong** - Hong Kong, Hong Kong **January 2019 - May 2019**
- Bachelor of Science in Civil Engineering
- Santa Fe Honors College** - Gainesville, FL **August 2017 - June 2018**
- Associate of Arts, Civil Engineering

WORK EXPERIENCE

- Gemini Seawater Systems LLC** - Gainesville, FL **November 2021 - Present**
Project Manager/ Project Engineer

- Design and manage the development of Reverse Osmosis Desalination Systems and Membrane Bioreactor (MBR) Wastewater Treatment Systems.
- Develop water systems' HMI software and PLC programming to ensure an effective and highly automated water filtration process.
- Build in-house water treatment systems in addition to on-site installations and commissioning of plants.
- Foster a collaborative organization with strong partners dedicated to providing the highest quality of service and solutions to our clients.

- Triton ReGenesis Research Institute** - Gainesville, FL **October 2021 - Present**
President/Owner

- Research coastal adaptation capability and strategies to mitigate the effects of coastal flooding and erosion on coastal communities.
- Develop interconnected solutions to hurricanes and sea level rise by utilizing nature-based erosion control solutions and resilient urban infrastructure construction methodologies.
- Create a collaborative organization dedicated to environmental stewardship and innovative coastal adaptation solutions.
- Build and test the application of seawater electrolysis on steel rebar as a cost effective and structurally superior alternative to cast in place concrete.

- Global Sea Level Rise Coastal Urban Adaptation Research** - Gainesville, FL **January 2021 – December 2021**
Independent Researcher

- Research publication review on global capability to adapt to rising seas and strengthening hurricanes.
- Conduct climate change adaptation feasibility studies for two dozen international coastal communities.
- Traveled to 12 countries in SouthEast Asia and India to gain greater understanding of the scale of vulnerability and disproportionate effects of climate change on coastal communities in developing nations.
- Analyze effects of urban pollution on health of coastal communities and their ability to mitigate effects of flooding and erosion.

- Gainesville Regional Utilities** - Gainesville, FL **May 2020 – January 2021**
Water/Wastewater Engineering Intern

- Assisted staff with civil and environmental design projects such as treatment plant infrastructure design, lift station design, treatment wetlands, and linear infrastructure improvement projects.
- Conducted new development efforts consisting of hydraulic water modeling, hydrant fire flows, and design drawing review/scanning
- Analyzed field data through hydraulic modeling software, GIS, and excel programs.
- Collected field data such as wetland sampling, water sampling, and GIS mapping.
- Conducted engineering inspections for water main replacement construction projects.

- Water Filtration Organic Membrane Applicability Research** - Gainesville, FL **January 2020 – May 2020**
Research Assistant

- Researched the application of lignin from plant tissue in enhanced water filtration systems
- Assisted in creating a reverse osmosis filter that will allow for greater research opportunities under Dr. Andreia de Faria
- Analyzed the effectiveness of membrane filtration on different bacteria found in the intake at water treatment plants

SKILLS

- **Languages:** Spanish (*Native*), Latin (*Advanced*)
- AutoCAD (*Advanced*), Autodesk REVIT (*Advanced*), Shapr3D (*Advanced*), Microsoft Office (*Advanced*), MATLAB (*Beginner*), Autodesk CFD (*Beginner*), Fusion 360 (*Beginner*) ArcGIS Pro (*Advanced*), Procreate (*Expert*), Bentley Microstation (*Advanced*), Project Management (*Advanced*), Concrete Construction (*Advanced*), Welding (*Beginner*), Woodworking (*Advanced*), Shapr3D (*Expert*).