Aspiring PI Info:
- Name: Jorge Gonzalez (https://joluigonza.github.io/index.html)
- Position: Postdoc Researcher
- Affiliation: Florida Atlantic University
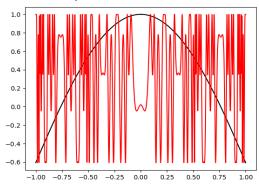
Research interests:

- Computer assisted proofs in dynamics
- Satisfiability solvers
- Formal proof assistants

Current Project(s):

- Computer assisted proofs of global dynamics for renormalization operators (highly nonlinear dynamical systems)
- Discovery and validation of mechanisms maintaining homeostasis in mammalian cells

Project Idea(s)…

- Self-correcting AI agents. AI facilitators for interdisciplinary collaboration:
  - Impact: Formalizing scientific collaboration for the generation and optimization of solutions. Faster adoption/implementation in the field.
  - Education and outreach: Semester long workshop for undergraduate/graduate students. Weekly seminar on relevant topics

… and possible collaborators sought

- Formal Methods: Software certification, validation, optimization
- In the Field: AI researchers. Industry. Interdisciplinary collaborators. Proof of concepts