

Felipe Pérez Silva

✉ fperezsi@gmu.edu

🌐 Felipe Andrés Pérez Silva

📍 VA, USA

Education

- 2022 – 2023 📖 **Master of Sciences Mathematics, Universidad Técnica Federico Santa María.**
Thesis title: *Existence and multiplicity of positive solutions for a quasilinear problem with nonhomogeneous Dirichlet condition*
- 2017 – 2023 📖 **Mathematical Engineering, Universidad Técnica Federico Santa María.**
Thesis title: *Existence and multiplicity of positive solutions for a quasilinear problem with nonhomogeneous Dirichlet condition.*
- 2017 – 2020 📖 **Bachelor of Science Mathematical Engineering, Universidad Técnica Federico Santa María.**

Research Publications

Journal Articles

- 1 L. Iturriaga and F. Pérez, “Existence and multiplicity of positive solutions for a quasilinear problem with nonhomogeneous dirichlet condition,” *Submitted*, 2023.

Teaching Experience

- 2024 📖 **George Mason University. Graduate Teaching Assistant:** Analytic Geometry & Calculus I and II.
- 2023 📖 **Universidad Tecnica Federico Santa Maria. Laboratory Assistant:** Differential Calculus and Algebra & Geometry.
- 2018 – 2022 📖 **Universidad Tecnica Federico Santa Maria. Teaching Assistant:** Differential Calculus, Integral Calculus, Algebra & Geometry, Linear Algebra and Partial Differential Equations.



Internships

- 2025 📖 **George Mason University.** Graduate Research Assistance.
- 2021-2023 📖 **Universidad Técnica Federico Santa María.** Research Assistance.
- 2020 📖 **Inria Chile.** Python programming using Django Rest Framework to reduce the number of backend queries to the database. Additionally, programming in JavaScript using React and RxJs to improve frontend performance.

Skills

- Languages 📖 I am a native Spanish speaker with a TOEFL iBT score of 91, achieving more than 21 in each subsection.
- Coding 📖 Matlab, Python, \LaTeX , C++.
- Misc. 📖 Academic research and teaching.

Seminars

- 2024  **George Mason University.** Seminar on Control of Partial Differential Equations. Participation as an attendee and presenter.
- 2021  **Universidad Técnica Federico Santa María.** Seminar on Partial Differential Equations for students in the Doctoral program. Participation as an attendee and presenter.