

Panagiotis Theodoropoulos

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Education

Georgia Institute of Technology,
PhD in Machine Learning (GPA: 3.86/4.00)

Atlanta, GA
2022–

University of Patras,
B.S. in Mechanical Engineering

Patras, Greece
2016–2021

Research Experience

Georgia Institute of Technology,
Research Assistant (Advisor: [Dr. Evangelos Theodorou](#))

Atlanta, GA
2022–

Prisma Electronics,
Research Engineer (Supervisor: [Christos Spandonidis](#))

Athens, Greece
10/2020–06/2022

Prisma Electronics,
Research Intern (Supervisor: [Christos Spandonidis](#))

Athens, Greece
Summer of 2020

Selected Publications

Journal Papers

- J1. Spandonidis, C., Theodoropoulos, P., Giannopoulos, F., Galiatsatos, N. & Petsa, A. Evaluation of deep learning approaches for oil & gas pipeline leak detection using wireless sensor networks. *Engineering Applications of Artificial Intelligence* **113** (2022).
- J2. Theodoropoulos, P., Spandonidis, C. C. & Fassois, S. Use of Convolutional Neural Networks for vessel performance optimization and safety enhancement. *Ocean Engineering* **248**, 110771 (2022).
- J3. Theodoropoulos, P., Spandonidis, C. C., Giannopoulos, F. & Fassois, S. A deep learning-based fault detection model for optimization of shipping operations and enhancement of maritime safety. *Sensors* **21**. <https://www.mdpi.com/1424-8220/21/16/5658> (2022).

Conference Papers

- C1. Theodoropoulos, P., Liu, G.-H., Chen, T., Saravanos, A. D. & Theodorou, E. A ROBUST DIFFERENTIAL NEURAL ODE OPTIMIZER in *The Twelfth International Conference on Learning Representations* (2024). <https://openreview.net/forum?id=zb0SJ3CATY>.
- C2. Theodoropoulos, P., Liu, G.-H., Chen, T. & Theodorou, E. Game Theoretic Neural ODE Optimizer in *ICML Workshop on New Frontiers in Learning, Control, and Dynamical Systems* (2023). <https://openreview.net/forum?id=RgpyV04pYj>.

Preprints

- P1. Theodoropoulos, P., Komianos, N., Pacelli, V., Liu, G.-H. & Theodorou, E. A. *Feedback Schrödinger Bridge Matching* arXiv preprint arXiv:2410.14055. 2024. <https://arxiv.org/abs/2410.14055>.