

Christos P. Lamprakos *PhD Student*

clabrakos@gmail.com • NTUA Campus • 9 Heroon Politechniou • Athens, 15780 • Attiki • Greece

Summary

I am a first-year PhD student, interested in applying unsupervised learning to the intersection of natural language and source code. The core of my master's thesis was reinforcement learning control of a cyberphysical system.

Education

National Technical University of Athens

ATHENS, GREECE

PhD Student

2019 – Present

- Working title: 'Source Code Understanding'

National Technical University of Athens

ATHENS, GREECE

Master of Engineering in Electrical & Computer Engineering

2012 – 2017

- Overall GPA 7.94 out of 10 (2:1)
- Specialized in Electronics & Systems Engineering
- Majored in Computer Systems & Hardware, Signal Processing, Control & Robotics
- Minored in Electronics & Circuits, Biomedicine
- Master's thesis: [Prototype for a Smart Thermostat employing Reinforcement Learning](#)

General High School of Epidaurus

LYGOURION, GREECE

Apolytirion

2009 – 2012

- Scored top 2% in national university entry exams
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Experience

ICCS

ATHENS, GREECE

Junior Research Associate

Sept '19 – Present

Currently working as member for the Horizon 2020 project [SDK4ED](#) as member of the developer team.

Accenture

ATHENS, GREECE

Software Development Associate

Sept '18 – Aug '19

First full-time position, placed in the telecommunications industry. Team designed, built and tested CRM enhancements for a major Greek operator.

Institute of Nanoscience & Nanotechnology, NCSR Demokritos

ATHENS, GREECE

Intern & Research Associate

Jul '17 – Oct '17

Studied chimera states in LIF-modeled biological neurons. Explored Hebbian learning and observed STDP-like behaviors.

Scientific Publications

- C. Marantos, C. Lamprakos, K. Siozios, and D. Soudris, *Towards Plug&Play Smart Thermostats for Building's Heating/Cooling Control*, pp. 183–207. Cham: Springer International Publishing, 2019
 - C. Marantos, C. P. Lamprakos, V. Tsoutsouras, K. Siozios, and D. Soudris, "Towards plug&play smart thermostats inspired by reinforcement learning," in *Proceedings of the Workshop on INTElligent Embedded Systems Architectures and Applications*, INTESA '18, (New York, NY, USA), pp. 39–44, ACM, 2018
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Skills

Programming languages: Mainly working with Python. Familiar with C, MATLAB and R.

Technical: Docker, Flask, scikit-learn, PyTorch

Natural languages: Greek (*mother tongue*), English (*full professional proficiency*), German (*beginner*).

Miscellaneous

Literature & storytelling: Member of the Athenian Science Fiction Club. Alumn of the 2016 Harvard Center for Hellenic Studies Creative Writing Workshop. Author of 3 published short stories, 2 flash fiction stories.

Scholarships: Received the 5-year grant for undergraduate studies from the Panayiotis Triantafyllides Foundation.

Military obligations: Fulfilled upon graduation.

Seminars: Certified attendee of first aid workshop focusing on CPR.