

# ILIANA MARIA XYGKOU

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**EDUCATION**

- Ph.D. in Networking, Computer Science**, Georgia Institute of Technology, Atlanta, GA, U.S.A. 08/2022 – (expected) 05/2027
  - GPA: 4.0/4.0
  - Advisor: Prof. Alberto Dainotti
  - Focus: BGP routing security, programmable networks
- Diploma (Integrated MEng) in Electrical and Computer Engineering** (5-year degree), National Technical University of Athens, Athens, Greece 09/2017 – 07/2022
  - Grade: 9.66/10 (3<sup>rd</sup>/318)
  - Concentration: Informatics
  - Diploma Thesis ([Abstract](#)):
    - Title: Misinformation containment in social network platforms
    - Advisor: Prof. Symeon Papavassiliou
    - Grade: 10/10

## PROFESSIONAL EXPERIENCE

- PhD Intern**, Cisco ThousandEyes 05/2024 – 08/2024
  - Project: “BGP Zombies Detection” under the guidance of Researcher A. Chariton and Prof. X. Dimitropoulos.
- Graduate Teaching Assistant**, Georgia Institute of Technology 08/2023 – 05/2024, 08/2024 –
  - Course: Computer Networks / Computer Networking II
- Research Intern**, Coalition Inc 05/2023 – 08/2023
  - Project “Honeypot Detection” under the guidance of Dr. S. Bell and Dr. D. Woods.
- Graduate Research Assistant**, Georgia Institute of Technology 08/2022 – 05/2023
  - Advancement and evaluation of the [Global Routing Intelligence Platform](#) (GRIP) that detects and assesses Border Gateway Protocol (BGP) hijacking events.
  - Design and implementation of a dynamic network telescope with programmable switches.  
, under the guidance of Professor A. Dainotti.
- Technical Support Help Desk**, National Technical University of Athens 09/2021 - 08/2022
  - Member of the team responsible for the proper functioning and resolution of technical issues of the NTUA’s new educational Moodle platform, “Helios”, under the guidance of Professors P. Tsanakas and E. Sykas.
- Lab assistant for the course “Computer Programming”**, National Technical University of Athens 10/2018 – 01/2019

## AWARDS AND HONORS

- **Seeds For The Future Scholarship**, Huawei, 2021
  - As part of the “Seeds For The Future” program for students with academic excellence.
- **Doctoral Scholarship**, Onassis Foundation, 2023-2026

## PRESENTATIONS

- **“Reviving BGP Zombies: New Insights”**, RIPE89 (plenary presentation). Prague, Czechia, October 2024.
- **“Observing Trends in Internet Routing Security”**, RIPE89 (lightning talk). Prague, Czechia, October 2024.
- **“Observing Trends in Internet Routing Security”**, Internet Integrity Workshop (invited talk). Prague, Czechia, October 2024.

## HARD SKILLS

- **Programming languages:** Python, C++/C, P4, Prolog, Javascript, Java, SML
- **Frameworks:** Express, Flask, NetworkX, React
- **Operating systems:** Windows, Linux, UNIX (FreeBSD)
- **Routing software:** Quagga, FRR
- **Database management systems:** MySQL, PostgreSQL

## LANGUAGES

- **Greek:** (native)
- **English:** ECPE C2, 08/2015, TOEFL (Grade: 106/120), 11/2021
- **German:** Goethe-Zertifikat B2, 09/2021

## VOLUNTEERING EXPERIENCE

- Volunteer as judge in *Greek National Educational Robotics Competition* hosted by *WRO Hellas* (2018, 2019)
- Volunteer in non-profit actions (cleaning forests, helping in the execution of sports events e.g., *"Greece Race for the Cure"* hosted by Hellenic Association of Women with Breast Cancer *"Alma Zois"* (2017, 2018, 2019))