

Nikos Pagonas

Contact	Email: nikospagonas00@gmail.com — Website: nikpag.github.io	
Education	Columbia University <i>PhD in Computer Science</i> Advisor: Prof. Kostis Kaffes GPA (current): 4.0/4.0 Member of DAPLab . Working on providing systems support for emerging LLM agent applications.	Sep 2024 — Present New York, NY, US
	National Technical University of Athens (NTUA) <i>Master of Electrical and Computer Engineering</i> Advisors: Prof. Nikos Vasilakis , Prof. Georgios Goumas GPA: 9.39/10.00 (14 th out of 344 students) Thesis: “ <i>SPLASH: Scaling Out Shell Scripts on Serverless Platforms</i> ”	Oct 2018 — Jun 2024 Athens, Greece
Experience	Google <i>Student Researcher</i> Supervisor: Prof. Arvind Krishnamurthy	May 2025 — Present Sunnyvale, CA, US
	Brown University <i>Student Researcher</i> Advisor: Prof. Nikos Vasilakis Contributed to PASH , an open-source Linux Foundation project. Worked on improving the performance of shell scripts by running them on serverless infrastructure, and providing fault tolerance for distributed shell script execution.	Sep 2023 — May 2024 Providence, RI, US
	Arrikto Inc. <i>Software Engineering Intern</i> Supervisor: Vangelis Koukis Explored how to serve PyTorch models more efficiently through KServe, a highly scalable machine learning deployment platform for Kubernetes.	Dec 2022 — Mar 2023 Athens, Greece
Awards	Columbia University Presidential Fellowship	2024
Publications	007: Agent-First Systems (Under Submission)	

λ eash: Scaling Out Shell Scripts with Recoverable Serverless Computing
(Under Submission)

Fractal: Fault-Tolerant Shell-Script Distribution
(Under Submission)

Service **19th USENIX Symposium on Operating Systems Design and Implementation (OSDI 2025)** 2025
Artifact Evaluation Committee

2025 USENIX Annual Technical Conference (ATC 2025) 2025
Artifact Evaluation Committee

17th European Workshop on Systems Security (EuroSec 2024) 2024
Web and Publication Chair

Teaching **Columbia University** Spring 2025
Teaching Assistant New York, NY, US
Course: [Agentic Systems Made Real](#)
Professors: [Kostis Kaffes](#), [Eugene Wu](#)

Brown University Fall 2024
Teaching Assistant Providence, RI, US
Course: [Systems Transforming Systems](#)
Professor: [Nikos Vasilakis](#)

Guided students through a systems research project, including implementation, evaluation, and paper writing. Paper submitted to USENIX ATC 2025.

Brown University Spring 2024
Teaching Assistant Providence, RI, US
Course: [Systems Transforming Systems](#)
Professor: [Nikos Vasilakis](#)

Helped revamp the course by redesigning its semester-long project and implementing its autograding infrastructure from scratch.

National Technical University of Athens Spring 2022
Lab Assistant Athens, Greece
Course: Operating Systems
Professors: [N. Koziris](#), [G. Goumas](#)

National Technical University of Athens Spring 2020

Lab Assistant Athens, Greece
Course: Programming Techniques
Professors: [N. Papaspyrou](#), [A. Pagourtzis](#), [G. Stamou](#), [G. Goumas](#)

National Technical University of Athens Fall 2019
Lab Assistant Athens, Greece
Course: Introduction to Programming
Professors: [N. Papaspyrou](#), [D. Fotakis](#), [S. Zachos](#)

Posters **Bibarel: Accelerating Agentic Planning Through Dynamic Parallelism and Live Migration** Apr 2024
Data Science Day Columbia University Data Science Institute

Bibarel: Accelerating Agentic Planning Through Dynamic Parallelism and Live Migration Mar 2024
AI Agents for Work Workshop Columbia Business School

Talks **SPLASH: Scaling Out Shell Scripts on Serverless Platforms** Feb 2024
Sysread Seminar Brown University

SPLASH: Towards Serverless Shell Scripting Oct 2023
3rd PASH Workshop Brown University

Volunteering **Seed Robotics** Oct 2022 — Jun 2023
Robotics Instructor Athens, Greece
Guided school students through construction and programming of a series of robotics projects. Served as coordinator and leader of the school robotics team in the annual municipal festival on science, arts, and sports.

Skills **Prog. Languages** C, Python, Javascript, Shell, Java, Go
Platforms AWS, Docker, Kubernetes, Apache Kafka, Apache Spark
Tools Git, LaTeX

Languages **English** Fluent — TOEFL iBT 116/120 (C2)
Greek Native