

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: 3.94/4.00 Member of DAPLab , focusing on AI systems. Working on improving scheduling for agentic workflows, accelerating application-agnostic LLM serving, and providing efficient simulation support for agentic rollouts.	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 Worked on improving scheduling for agentic NL2SQL workflows.	May 2025 — Aug 2025 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	A.G. Leventis Foundation Scholarship	2025
	Gerondelis Foundation Scholarship	2025
	Columbia University Presidential Fellowship	2024

Publications	Cortex: Workflow-Aware Resource Pooling and Scheduling for Agentic Serving Nikos Pagonas, Yeounoh Chung, Kostis Kaffes, Arvind Krishnamurthy <i>1st Workshop on Systems for Agentic AI (SAA 2025)</i>	
	A System-Centric Approach is Necessary for AI Agents <i>(Under Submission)</i>	
	λeaseh: Scaling Out Shell Scripts with Recoverable Serverless Computing <i>(Under Submission)</i>	
Service	EuroSys 2026 <i>Artifact Evaluation Committee</i>	2026
	SOSP 2025 <i>Artifact Evaluation Committee</i>	2025
	OSDI 2025 <i>Artifact Evaluation Committee</i>	2025
	ATC 2025 <i>Artifact Evaluation Committee</i>	2025
	EuroSec 2024 <i>Web and Publication Chair</i>	2024
Teaching	Columbia University <i>Teaching Assistant</i> Course: Networks, Crowds, and the Web Professor: Augustin Chaintreau	Fall 2025 New York, NY, US
	Columbia University <i>Teaching Assistant</i> Course: Agentic Systems Made Real Professors: Eugene Wu , Kostis Kaffes	Spring 2025 New York, NY, US
	Brown University <i>Teaching Assistant</i> 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.	Fall 2024 Providence, RI, US
	Brown University <i>Teaching Assistant</i>	Spring 2024 Providence, RI, US

Course: [Distributed 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

Lab Assistant

Course: Operating Systems

Professors: [N. Koziris](#), [G. Goumas](#)

Spring 2022
Athens, Greece

National Technical University of Athens

Lab Assistant

Course: Programming Techniques

Professors: [N. Papaspyrou](#), [A. Pagourtzis](#), [G. Stamou](#), [G. Goumas](#)

Spring 2020
Athens, Greece

National Technical University of Athens

Lab Assistant

Course: Introduction to Programming

Professors: [N. Papaspyrou](#), [D. Fotakis](#), [S. Zachos](#)

Fall 2019
Athens, Greece

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

Sysread Seminar

Feb 2024
Brown University

SPLASH: Towards Serverless Shell Scripting

3rd PASH Workshop

Oct 2023
Brown University

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