

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: 3.93/4.00 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	A System-Centric Approach is Necessary for AI Agents <i>(Under Submission)</i>	
	λease: 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	Spring 2024

Teaching Assistant 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 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

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