

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	Gerondelis Foundation Scholarship	2025
	Columbia University Presidential Fellowship	2024

Publications	A System-Centric Approach is Necessary for AI Agents (Under Submission)	
	λ eash: Scaling Out Shell Scripts with Recoverable Serverless Computing (Under Submission)	
Service	SOSP 2025 <i>Artifact Evaluation Committee</i>	2025
	USENIX OSDI 2025 <i>Artifact Evaluation Committee</i>	2025
	USENIX 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: 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> Course: Distributed Systems Professor: Nikos Vasilakis Helped revamp the course by redesigning its semester-long project and implementing its autograding infrastructure from scratch.	Spring 2024 Providence, RI, US
	National Technical University of Athens <i>Lab Assistant</i> Course: Operating Systems Professors: N. Koziris , G. Goumas	Spring 2022 Athens, Greece

National Technical University of Athens
Lab Assistant

Spring 2020
Athens, Greece

Course: Programming Techniques

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

National Technical University of Athens
Lab Assistant

Fall 2019
Athens, Greece

Course: Introduction to Programming

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

Posters

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

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