

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 (Brown), Prof. Georgios Goumas (NTUA) 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> Working on accelerating LLM inference for agentic workloads.	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> 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)	
	λeash: Scaling Out Shell Scripts with Recoverable Serverless Computing	

(Under Submission)

Fractal: Fault-Tolerant Shell-Script Distribution

(Under Submission)

Service	19 th USENIX Symposium on Operating Systems Design and Implementation (OSDI 2025)	2025
	<i>Artifact Evaluation Committee</i>	
	2025 USENIX Annual Technical Conference (ATC 2025)	2025
	<i>Artifact Evaluation Committee</i>	
	17 th European Workshop on Systems Security (EuroSec 2024)	2024
	<i>Web and Publication Chair</i>	
Teaching	Columbia University	Spring 2025
	<i>Teaching Assistant</i>	New York, NY, US
	Course: Agentic Systems Made Real	
	Professors: Kostis Kaffes , Eugene Wu	
	Brown University	Fall 2024
	<i>Project Shepherd</i>	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
	<i>Teaching Assistant</i>	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
	<i>Lab Assistant</i>	Athens, Greece
	Course: Operating Systems	
	Professors: N. Koziris , G. Goumas	
	National Technical University of Athens	Spring 2020
	<i>Lab Assistant</i>	Athens, Greece

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

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
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
Sysread Seminar
Feb 2024
Brown University

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

Volunteering
Seed Robotics
Robotics Instructor
Oct 2022 — Jun 2023
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