

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 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: “SPLASH: Scaling Out Shell Scripts on Serverless Platforms”	Oct 2018 — Jun 2024 Athens, Greece
Experience	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	17th European Workshop on Systems Security (EuroSec 2024) <i>Web and Publication Chair</i>	2024

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 '25.		
	Brown University		Spring 2024
	<i>Teaching Assistant</i>		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
	<i>Lab Assistant</i>		Athens, Greece
	Course: Operating Systems		
	Professors: Nectarios Koziris, Georgios 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		Fall 2019
	<i>Lab Assistant</i>		Athens, Greece
	Course: Introduction to Programming		
	Professors: Nikolaos Papaspyrou, Dimitris Fotakis, Stathis Zachos		
Volunteering	Seed Robotics		Oct 2022 — Jun 2023
	<i>Robotics Instructor</i>		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