

# Nikos Pagonas

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Contact	Email: <a href="mailto:nikospagonas00@gmail.com">nikospagonas00@gmail.com</a> — Website: <a href="https://nikpag.github.io">nikpag.github.io</a>	
Education	<b>Columbia University</b> <i>PhD in Computer Science</i> Advisor: Prof. Kostis Kaffes GPA (current): 4.0/4.0 Working on improving the performance of LLM inference systems.	Sep 2024 — Present New York, NY, US
	<b>National Technical University of Athens (NTUA)</b> <i>Master of Electrical and Computer Engineering</i> Advisors: Prof. Nikos Vasilakis (Brown), Prof. Georgios Goumas (NTUA) GPA: 9.39/10.00 (14 <sup>th</sup> out of 344 students) Thesis: “SPLASH: Scaling Out Shell Scripts on Serverless Platforms”	Oct 2018 — Jun 2024 Athens, Greece
Experience	<b>Brown University</b> <i>Student Researcher</i> Advisor: Prof. Nikos Vasilakis 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
	<b>Arrikto Inc.</b> <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	<b>Columbia University Presidential Fellowship</b>	2024
Publications	<b>007: Agent-First Systems</b> (Under Submission)	
	<b>λeash: Scaling Out Shell Scripts with Recoverable Serverless Computing</b> (Under Submission)	
	<b>Fractal: Fault-Tolerant Shell-Script Distribution</b> (Under Submission)	
Service	<b>17th European Workshop on Systems Security (EuroSec 2024)</b> <i>Web and Publication Chair</i>	2024

Teaching	<b>Columbia University</b>		Spring 2025
	<i>Teaching Assistant</i>		New York, NY, US
	Course: Agentic Systems Made Real		
	Professors: Kostis Kaffes, Eugene Wu		
	<b>Brown University</b>		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.		
	<b>Brown University</b>		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.		
	<b>National Technical University of Athens</b>		Spring 2022
	<i>Lab Assistant</i>		Athens, Greece
	Course: Operating Systems		
	Professors: Nectarios Koziris, Georgios Goumas		
	<b>National Technical University of Athens</b>		Spring 2020
	<i>Lab Assistant</i>		Athens, Greece
	Course: Programming Techniques		
	Professors: N. Papaspyrou, A. Pagourtzis, G. Stamou, G. Goumas		
	<b>National Technical University of Athens</b>		Fall 2019
	<i>Lab Assistant</i>		Athens, Greece
	Course: Introduction to Programming		
	Professors: Nikolaos Papaspyrou, Dimitris Fotakis, Stathis Zachos		
Volunteering	<b>Seed Robotics</b>		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	<b>Prog. Languages</b>	C, Python, Javascript, Shell, Java, Go	
	<b>Platforms</b>	AWS, Docker, Kubernetes, Apache Kafka, Apache Spark	
	<b>Tools</b>	Git, LaTeX	

<b>Languages</b>	<b>English</b>	Fluent — TOEFL iBT 116/120 (C2)
	<b>Greek</b>	Native