

# 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. <a href="#">Kostis Kaffes</a> GPA (current): 4.0/4.0 Member of <a href="#">DAPLab</a> . Working on providing systems support for emerging LLM agent applications.	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. <a href="#">Nikos Vasilakis</a> (Brown), Prof. <a href="#">Georgios Goumas</a> (NTUA) GPA: 9.39/10.00 (14 <sup>th</sup> out of 344 students) Thesis: “ <i>SPLASH: Scaling Out Shell Scripts on Serverless Platforms</i> ”	Oct 2018 — Jun 2024 Athens, Greece
Experience	<b>Google</b> <i>Student Researcher</i> Working on accelerating LLM inference for agentic workloads.	May 2025 — Present Sunnyvale, CA, US
	<b>Brown University</b> <i>Student Researcher</i> Advisor: Prof. <a href="#">Nikos Vasilakis</a> Contributed to <a href="#">PASH</a> , an open-source <a href="#">Linux Foundation</a> 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
	<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	<a href="#">Columbia University Presidential Fellowship</a>	2024
Publications	<b>007: Agent-First Systems</b> (Under Submission)	
	<b><math>\lambda</math>eash: Scaling Out Shell Scripts with Recoverable Serverless Computing</b>	

*(Under Submission)*

**Fractal: Fault-Tolerant Shell-Script Distribution**

*(Under Submission)*

Service	19 <sup>th</sup> USENIX Symposium on Operating Systems Design and Implementation (OSDI 2025)	2025
	<i>Artifact Evaluation Committee</i>	
Teaching	17 <sup>th</sup> European Workshop on Systems Security (EuroSec 2024)	2024
	<i>Web and Publication Chair</i>	
	Columbia University	Spring 2025
	<i>Teaching Assistant</i>	New York, NY, US
	Course: <a href="#">Agentic Systems Made Real</a>	
	Professors: <a href="#">Kostis Kaffes</a> , <a href="#">Eugene Wu</a>	
	Brown University	Fall 2024
	<i>Project Shepherd</i>	Providence, RI, US
	Course: <a href="#">Systems Transforming Systems</a>	
	Professor: <a href="#">Nikos Vasilakis</a>	
	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: <a href="#">Systems Transforming Systems</a>	
	Professor: <a href="#">Nikos Vasilakis</a>	
	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: <a href="#">N. Koziris</a> , <a href="#">G. Goumas</a>	
	National Technical University of Athens	Spring 2020
	<i>Lab Assistant</i>	Athens, Greece
	Course: Programming Techniques	
	Professors: <a href="#">N. Papaspyrou</a> , <a href="#">A. Pagourtzis</a> , <a href="#">G. Stamou</a> , <a href="#">G. Goumas</a>	

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**      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  
*3<sup>rd</sup> PASH Workshop*      Brown University

**Volunteering**      **Seed Robotics**      Oct 2022 — Jun 2023  
*Robotics Instructor*      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