

SPYRIDON PAVLATOS

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EDUCATION	<b>University of Pennsylvania</b> <span style="float: right;"><i>2022–2027 (expected)</i></span> Ph.D. Computer Science <ul style="list-style-type: none"><li>– <i>Advisor:</i> Vincent Liu</li><li>– <i>Research Focus:</i> Distributed Systems and Compilers</li></ul> <b>National Technical University of Athens</b> <span style="float: right;"><i>2016–2022</i></span> Integrated Masters (5-year joint degree, 300 ECTS) Electrical & Computer Engineering (ECE) <ul style="list-style-type: none"><li>– <i>Overall GPA:</i> 9.26/10</li><li>– <i>Major:</i> Computer Science</li><li>– <i>Thesis:</i> “<a href="#">A Test Suite for Model Checking Persistent Memory Programs</a>”. <i>Advisor:</i> Kostis Sagonas.</li></ul>
EXPERIENCE	<b>White Noise - Space Engineering Team</b> <span style="float: right;"><i>2017–2019</i></span> <ul style="list-style-type: none"><li>– Founding member</li><li>– Competed in space engineering competitions for university students:<ul style="list-style-type: none"><li>– <i>Cansat in Greece 2018.</i> Designed parts of electrical and sensors subsystems. Responsible for social media.</li><li>– <i>Cansat Competition 2019</i> by American Astronautical Society. Designed telecommunications and data handling subsystems.</li></ul></li></ul>
PUBLICATIONS	<ul style="list-style-type: none"><li>[1] <b>Spyros Pavlatos</b>, Xuting Liu, Yuhao Liu, Vincent Liu “<math>\lambda</math>-TRIM: Reducing Monetary and Performance Cost of Serverless Cold Starts with Cost-driven Application Debloating” <i>Under Submission</i>.</li><li>[2] Haoran Zhang, Konstantinos Kallas, <b>Spyros Pavlatos</b>, Rajeev Alur, Sebastian Angel, Vincent Liu “MuCache: A General Framework for Caching in Microservice Graphs”. <i>NSDI’24</i>. <a href="#">[paper]</a></li></ul>
TEACHING EXPERIENCE	<b>Teaching Assistant</b> <span style="float: right;"><i>Spring 2024</i></span> <i>Institution:</i> University of Pennsylvania <i>Course:</i> Compilers <i>Professor:</i> S. Zdancewic  <b>Teaching Assistant</b> <span style="float: right;"><i>Fall 2023</i></span> <i>Institution:</i> University of Pennsylvania <i>Course:</i> Software Analysis <i>Professor:</i> M. Naik  <b>Lab Assistant</b> <span style="float: right;"><i>Spring 2021</i></span> <i>Institution:</i> National Technical University of Athens <i>Course:</i> Programming Techniques <i>Professors:</i> G. Goumas, A. Pagourtzis, N. Papaspyrou  <b>Lab Assistant</b> <span style="float: right;"><i>Fall 2020</i></span> <i>Institution:</i> National Technical University of Athens <i>Course:</i> Introduction to Programming <i>Professors:</i> D. Fotakis, N. Papaspyrou
TECHNICAL SKILLS	<b>Programming Languages</b> C/C++, Rust, OCaml, Erlang, Java, JavaScript, Python, Go

<b>Operating Systems</b>	Windows, Linux
<b>Databases</b>	MySQL, MongoDB, memcached, Redis, RocksDB
<b>Version Control</b>	Git/Github
<b>Frameworks &amp; Tools</b>	OpenMP, Pytorch, LLVM, frama-c, TLA+, PROPER
<b>Typesetting</b>	L <sup>A</sup> T <sub>E</sub> X

HONORS & AWARDS	<ul style="list-style-type: none"> <li>– <i>Soloman M. Swaab Fellowship</i> - University of Pennsylvania.</li> <li>– Space Engineering Competition <i>Cansat in Greece 2018</i>. 1st Prize in university students category.</li> <li>– Programming Competition <i>IEEEExtreme 15.0</i>. Ranked 94<sup>th</sup> out of 5500+ teams worldwide.</li> <li>– Programming Competition <i>IEEEExtreme 14.0</i>. Ranked 99<sup>th</sup> out of 3700+ teams worldwide.</li> <li>– Programming Competition <i>IEEEExtreme 13.0</i>. Ranked 184<sup>th</sup> out of 4000+ teams worldwide.</li> <li>– Panhellenic Physics Competition <i>Aristotle 2016</i>. 3<sup>rd</sup> Prize of Excellence (Bronze Medal). Ranked 25<sup>th</sup> overall.</li> </ul>
LANGUAGES	Greek (native), English (C2), German (C1)
MEMBERSHIPS	IEEE Member
HOBBIES	Basketball, Running, Swimming, Cinema, Reading
LAST UPDATED	October 24, 2024