

EDUCATION

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|--|---------------------|
| University of Athens
M.S. in Computer Science
– Thesis: “A Gas-Efficient Superlight Bitcoin Client in Solidity” | Athens
2017–2020 |
| University of Athens
B.S. in Computer Science
– Thesis: “Experimental Research on Apache Kafka Performance” | Athens
2009–2015 |

EXPERIENCE

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|---|---------------------|
| National Centre for Scientific Research “Demokritos”
Software Engineer
– [C++] Development of high-performance code, codebase maintenance, migration from C++03 to C++17 standard
– [Lua] Scripting and implementation of bindings for C++
– [Design] Design of system architecture
– [Docker] Build containerized services
– [System Administration] Linux server setup and maintenance | Athens
2016–now |
| University of Athens - Decrypto lab
Software Engineer
– [Solidity] Implementation of gas-efficient smart contracts
– [Python] Implementation of development/testing environment for Solidity smart contracts
– [Authoring] <i>A Gas-Efficient Superlight Bitcoin client in Solidity</i> paper, published at AFT 2020 | Athens
2019–2020 |

SKILLS

- **Programming languages:** C++/14/17, C, Solidity, Python, Lua, Java, Bash Scripting, Latex, Matlab
- **Development:** Object-oriented programming, data-oriented programming, parallel programming, network programming, smart contracts
- **Databases:** PostgreSQL, MySQL, MariaDB, MongoDB
- **Operating Systems and Environments:** Linux/Unix, Vim, Git, Tmux, Docker, Windows

PUBLICATIONS

- [1] **S. Daveas**, K. Karantias, A. Kiayias, and D. Zindros, “A gas-efficient superlight bitcoin client in solidity”, in *Proceedings of the 2nd ACM Conference on Advances in Financial Technologies, AFT 2020, New York, NY, USA, October 21-23, 2020*, ACM, 2020.
- [2] G. Bouritsas, **S. Daveas**, A. Danelakis, and S. C. Thomopoulos, “Automated real-time anomaly detection in human trajectories using sequence to sequence networks”, in *2019 16th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS)*, IEEE, 2019, pp. 1–8.

LANGUAGES

- **Greek:** Mother tongue
- **English:** B2 Certificate
- **German:** B1 Certificate

EXTRACURRICULAR ACTIVITIES

- Rock climbing, playing music