Stelios Daveas

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Education

University of Athens — Athens
M.S. in Computer Science — 2017–2020
- Thesis: "A Gas-Efficient Superlight Bitcoin Client in Solidity"

University of Athens — Athens
B.S. in Computer Science — 2009–2015
- Thesis: "Experimental Research on Apache Kafka Performance"

Experience

National Centre for Scientific Research "Demokritos" — Athens
Software Engineer — 2016–now
- `[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 of containerized services
- `[Systems Administration]` Linux server setup and maintenance

University of Athens - Decrypto lab — Athens
Software Engineer — 2019–2020
- `[Solidity]` Implementation of gas-efficient smart contracts
- `[Python]` Implementation of development environment for `Solidity` smart contracts
- `[Authoring]` *A Gas-Efficient Superlight Bitcoin client in Solidity* paper, published at AFT 2020

Skills

- **Development:** Object-oriented development, data-oriented development, 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