

Stefanos Georgiou

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About me: I am passionate with **coding**, empirical studies, integrating new technologies, and automating cumbersome tasks. On my free time, I enjoy sporting, reading books, and **travelling**.

Education

- 2016-2020** **PhD, Computer Science;** Athens University of Economics and Business
Thesis title: *Energy and Run-Time Performance Practices in Software Engineering*; **Thesis**
PhD advisors: **Prof. Diomidis Spinellis** and **Prof. Panos Louridas**
- 2013-2015** **MSc, Pervasive Computing and Communications for Sustainable Development (PERCCOM);** Erasmus Mundus Joint Master Degree
ITMO University of Saint-Petersburg (Russia) Thesis title: *Implementating Green IT Approach for Transferring Big Data over Parallel Data Links*; **Thesis**
Lulea University of Technology (Sweden) Semester 3: *Resource Efficient Pervasive Computing Systems and Communications* **Degree**
Lappeenranta University of Technology (Finland) Semester 2: *Smart Software and Services* **Degree**
University of Lorraine (France) Semester 1: *Sustainable Computer Network Engineering* **Degree**
- 2008-2013** **BSc, Networks and Systems Programming;** University of Cyprus
Thesis title: *Implementation and Evaluation of the Biologically – Inspired AnthoC-Net Routing Protocol in Sensor Network*; **Degree**

Research Publications

- Conference Papers
 - **Stefanos Georgiou**, Maria Kechagia Panos Louridas, and Diomidis Spinellis. What Are Your Programming Language's Energy-Delay Implications? In 15th International Conference on Mining Software Repositories: Technical Track, MSR '18. New York, NY, USA, May 2018. Association for Computing Machinery. [[Paper](#)] [[BibTex](#)] [[Presentation](#)] [[Data-set](#)]
 - **Stefanos Georgiou**, Maria Kechagia, and Diomidis Spinellis. Analyzing Programming Languages' Energy Consumption: An Empirical Study. In PCI 2017: Proceedings of the 21st Pan-Hellenic Conference on Informatics, ACM International Conference Proceeding Series. ACM Press, September 2017. [[Paper](#)] [[BibTex](#)] [[Presentation](#)] [[Data-Set](#)]
- Journal Articles

- **Stefanos Georgiou**, Dimitris Mitropoulos, and Diomidis Spinellis. Energy-Efficient Computing in a Secure Environment. Submitted in July 2020 for review in ACM Transaction of Computer Systems.
- **Stefanos Georgiou** and Diomidis Spinellis. Energy-Delay Investigation of Remote Inter-Process Communication Technologies. Accepted for publication in Elsevier Journal of Systems and Software 2019. [[Preprint](#)] [[BibTex](#)]
- **Stefanos Georgiou**, Stamatia Rizou, and Diomidis Spinellis. Software Development Life Cycle for Energy-Efficiency: Techniques and Tools. Accepted for publication in ACM Computing Surveys 2019. [[Preprint](#)] [[BibTex](#)]

Invited Talks

Tutorials	<p><i>How to improve your CI/CD process</i> presented on 5th of July 2019 at BALab of Athens University of Economics and Business in Athens, Greece. Presentation</p> <p><i>Travis CI with CV template tutorial</i> presented on 7th of June 2018 at ITMO Univesity of Saint Petersburg for PERCCOM Master students in Saint-Petersburg, Russia. Presentation</p>
Research	<p><i>What are your programming language's energy-delay implications?</i> presented on 12th of June 2018 at PERCCOM's Summer School in Lappeenranta, Finland. Proof</p>

Organization Services

Program Committee	International Workshop on Sustainable Software Engineering
Reviewer	Journals submitted to Software: Practices and Experience
Co-reviewer	Conference papers submitted to ICSE-SEIP, MSR, OSS, ICPC, ICCS, SANER, and SATToSE

Teaching Experience

Assisting my PhD advisor at Programming II course (Winter Semester of 2016, 2017, and 2018) by giving tutorial and Lab sessions in Java [[Repository](#)]

Gave Java lectures and tutorials for the 1st and 2nd Coding Boot Camp in Athens, Greece (Oct. 2017 - May 2018) [[Repository](#)] [[Proof](#)]

Industrial Experience

Jan 2019-Apr 2020	<p>Back-end developer, DevOps, and Integrations: AllCanCode Inc. Greek Branch</p> <p>Developing in Node.JS, integrating new services (API end-points), and setting up the cloud infrasture and projects development workflow.</p>
Jan 2016-2019	<p>Proposals writing: Singular Logic S.A.</p> <p>Proposals writing and participating in project's telco meetings for the European Projects Department.</p>

Technical Experience

Back-End

BASH (Often automating cumbersome and time consuming tasks)

NodeJS (Fan of KOA, prefer Mocha-Chai, like to use Native Addons for performance)

Java (First real love, I was also teaching it at the Athes University of Economics and Business)

Python (No need to read tutorials, feeling comfy to code anytime)

C (First ever learned, in love with Makefiles, and impressed by its performance)

C++ (Second to learn after C, but as soon as I learned Java I stopped using it)

MongoDB (Queries, Aggregations, and Optimizations)

DevOps

Continuous Integration and Deployment (Big fan of CI/CD Travis, GitLab, and Actions)

Code Quality (Coveralls, maven-plugins, Style-Checkers, and Reports)

Hosting (Firebase, Docker, Google App Engine, and lover of Cloud Functions)

Mobile CI/CD (Bitrise supporter for Cordova and slightly Flutter user)

Configuration Management (Ansible because it uses YAML)

Projects

Epidose: A privacy-preserving epidemic dosimeter based on contact tracing **Repository**

Exam Questionnaire Scanner: **Repository**

Measuring Energy Consumption: **Software** and **Hardware** tools

Programming II website: **Repository**

Rosetta Code Experiment: **Repository**

Validate Links: **Repository**

Certificates

Unix Tools: **Data, Software, and Production Engineering**

MongoDB: **Basics, Aggregation, JavaScript, Performance**

```
<!-- Loading stuff -->
```

```
Loading the data just for you.
```

Grands, Awards, Languages, and Living Abroad

- Grands and awards:
 - Mentored younger researcher **who won 2nd** place in SRC ESEC/FSE '19.
 - Best paper award from the 15th Annual DMST Student Conference (2018)
 - Marie Skłodowska-Curie funds, **SENECA** (2016-2019)
 - Erasmus Mundus Masters Scholarship, PERCCOM (2013-2015)
- Human Languages:
 - Greek/Hungarian (Native speaker)
 - English (Fluent speaker)

- Russian/France (Basic knowledge)
- Living Abroad:
 - Born in Gyula, Hungary but grown up in Nicosia, Cyprus.
 - Ate baguettes and drunk wine in Lorraine, France (Fall Semester of 2013)
 - Attended to many sauna parties in Lappeenranta, Finland (Spring Semester of 2014)
 - Fish ice-cold beers from lakes in Lulea, Sweden (Fall Semester of 2014)
 - Drunk vodka and ate borsh in Saint-Petersburg, Russia (Spring Semester of 2015)
 - Teaching in Athens and visiting islands in Greece (Fall Semester of 2016 till now)
 - Biked in Delft, the Netherlands for my PhD secondment (Half month of Sept. 2017)

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