

# Stefanos Georgiou

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**About me:** I am passionate with **coding**, performing experimental studies, learning and combining new technologies. On free time I enjoy sporting, reading books, and going crazy for **travelling** and food.

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## Education

- 2016-2020**      **PhD, Computer Science;** Athens University of Economics and Business  
Thesis title: *Energy and Performance Implications in Software Engineering*  
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**

## 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**]

## 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** 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

*How to improve your CI/CD process* presented on 5th of July 2019 at BALab of Athens University of Economics and Business in Athens, Greece. [Presentation](#)

*Travis CI with CV template tutorial* presented on 7th of June 2018 at ITMO University of Saint Petersburg for PERCCOM Master students in Saint-Petersburg, Russia. [Presentation](#)

### Research

*What are your programming language's energy-delay implications?* presented on 12th of June 2018 at PERCCOM's Summer School in Lappeenranta, Finland. [Proof](#)

## Industrial Experience

### Jan 2019-current | **Back-end developer, DevOps, and Integrations: AllCanCode Inc. Greek Branch**

Developing in Node.JS, integrating new services (API end-points), and setting up the cloud infrasture and projects development workflow.

### Jan 2016 - 2019

#### **Proposals writing: Singular Logic S.A.**

Proposals writing and participating in project's telco meetings for the European Projects Department.

## 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, was teaching at University)

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

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

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

MongoDB (Queries, Aggregations, and Optimizations)

## **DevOps**

Continuous Integration and Deployment (Big fan Travis CI and GitLab CI)

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

Hosting (Firbase, 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**

Exam Questionnaire Scanner: [Repository](#)

Measuring Energy Consumption: [Software](#) and [Hardware](#) tools

Programming II website: [Repository](#)

Rosetta Code Experiment: [Repository](#)

Validate Links: [Repository](#)

## **Certificates**

MongoDB: [Basics](#), [Aggregation](#), [JavaScript](#), [Performance](#)

GitHub Calendar

Crunching @lonicaBizau's contributions just for you.

## **Grands, Awards, Languages, and Living Abroad**

- Grands and awards:
  - 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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