

Stefanos Georgiou

Important note: Please consider checking the online version of this CV as it is supported by links, proofs, documents, etc.: https://stefanos1316.github.io/my_curriculum_vitae/index.html

Current location: Budapest, Hungary

Contact details: stefanos1316 at gmail dot com,
sgeorgiou at aueb dot gr, tel. +36 70 6246675

About me: I am passionate with **coding**, empirical studies, integrating new technologies, and automating cumbersome tasks. I enjoy working on the command-line and especially with Linux systems. I love to create small, independent components and tools to facilitate different daily functionalities. 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**

Industrial Experience

Sep 2020-current Software Developer **Greek Free, Open Source Software**

Developing a privacy-preserving epidemic dosimeter based on contact tracing.
Proof Repository

Responsibilities	<p>Developing Python, Shell, and Ansible scripts on a Raspberry Pi Zero</p> <p>Extented testing for the correct functionality of the device</p>
Jan 2019-Apr 2020	<p>Back-end developer, DevOps, and Integrations: AllCanCode Inc. Greek Branch</p> <p>Supported the product development that facilitates fast web-sites development (by using Blockly) on Desktop that can be exported in smart-phones as well.</p>
Responsibilities	<p>Development of API end-points in JavaScript (Node.JS) and MongoDB for the server platform (product) and customer products</p> <p>Creation of the CI system for the product (in GitLab) to perform back-end and front-end testing (through Mocha and Cypress frameworks, respectively) and CD to auto-deploy product (for specific push branches) on Google's App Engine (Aurora, Beta, and Production) using the Flex environment</p> <p>Migration of monolithic product to micro-services using Firebase hosting, Cloud Functions, and Cloud Run</p> <p>Integration of Bitrise system in the product to allow platform users in exporting their Desktop applications to Android and iOS smart-phones through the Cordova wrapper</p>
Jan 2016-2019	<p>Proposals writing: Singular Logic S.A.</p> <p>Proposals writing for the European Projects Department. Proof</p>

Responsibilities	Writing research proposals for Horizon 2020
-------------------------	---

Technical Experience

Back-End	<p>BASH (Often automating cumbersome and time consuming tasks)</p> <p>NodeJS (Fan of KOA, prefer Mocha-Chai, like to use Native Addons for performance)</p> <p>Java (Was also teaching it at the Athens University of Economics and Business)</p> <p>Python (No need to read tutorials, feeling confy to code anytime)</p> <p>C (First language to learn and impressed by its performance)</p> <p>C++ (Second to learn, but as soon as I learned Java I stopped using it)</p> <p>MongoDB (Basics, Aggregations, JavaScript, and Performance)</p>
DevOps	<p>Continuous Integration and Deployment (Big fan of CI/CD Travis, GitLab, and Actions)</p> <p>Code Quality (Coveralls, maven-plugins, Style-Checkers, Reports, and pre-commit hooks)</p> <p>Hosting (Firbase, Docker, and Google App Engine)</p> <p>Mobile CI/CD (Bitrise with Cordova wrapper for mobile apps)</p> <p>Configuration Management (Ansible because it uses YAML)</p>

Projects	<p>Epidose: A privacy-preserving epidemic dosimeter based on contact tracing Repository</p> <p>Exam Questionnaire Scanner: Repository</p> <p>Measuring Energy Consumption: Software and Hardware tools</p> <p>Programming II website: Repository</p> <p>Rosetta Code Experiment: Repository</p> <p>Validate Links: Repository</p>
Certificates	Unix Tools: Data , Software , and Production Engineering
Course Completion	<p>MongoDB: Basics, Aggregation, JavaScript, Performance</p> <p>Loading the data just for you.</p>

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 University 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>

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](#)]

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

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)

<sgeorgiou@aueb.gr, stefanos.g@allcancode.com>

Troias 2, ground floor, second floor - Athens, Greece