Georgios Liargkovas

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Education

Athens University of Economics and Business (AUEB) *Athens, Greece*
BSc in Management Science & Technology *Sep 2018 - Mar 2023*

- **Grade:** 9.37/10 **Concentration:** Software Technologies and Data Analysis
- **Selected courses:** Programming II (Advanced Programming), Algorithms & Data Structures, Compilers, Software Verification and Validation, Information Systems Architecture & Design, Applied Machine Learning, Databases, Big Data Management Systems
- **Thesis title:** Scientific Collaboration and Diasporas - The case of Greek and Finnish co-authorship network.

Costeas Geitonas School (CGS) *Athens, Greece*
High School Diploma *Sep 2015 - Jun 2018*

- **Grade:** 19.8/20 *(first among graduate class of 22 students)*
- **Concentration:** Economics and Information Technology

Research and Work Experience

Athens University of Economics and Business, BALab, AUEB *Athens, Greece*
Junior Researcher (**Advisor:** Prof. Diomidis Spinellis) *Mar 2020 - Present*

- Carried out research about the gap between software practitioners' education and industry demands. 📖
- Currently working on project with title: "Empirical Evaluation of False Positive Static Analysis Reports".
- Currently assisting in research on "Empirical Investigation of Boilerplate Code".

Brown University *Providence, RI, United States*
Research Affiliate (**Advisor:** Prof. Nikos Vasilakis) *Oct 2022 - May 2023*

- Worked on expanding PaSh by creating a speculative, out-of-order execution engine of POSIX shell scripts. 📖
- **Technologies & tools used:** Python, Shell scripting (bash/zsh), Docker, tracing, system call isolation, sandboxing

Ubitech Ltd. *Athens, Greece*
Software Engineering Intern *Mar 2022 - Jun 2022*

- Implement backend and frontend components of a Content Management Software (CMS) for Heraklion Archaeological Museum.
- Implement front-end components for internal e-commerce project.
- **Technologies & tools used:** Java (Quarkus), Docker, Javascript (React, Vue.js), Figma

Teaching Experience

Athens University of Economics and Business *Athens, Greece*
Introduction to Computer Science *(Undergraduate Level)* *Fall 2022*

- **Role:** Lead Teaching Assistant (TA)
- Undergraduate Level, 1st year, Students: 180
- Responsible for overall course organization, course lectures, course labs, individual assignments, and course assessment. Lectured on a weekly basis.

Athens University of Economics and Business *Athens, Greece*
Software Engineering in Practice *(Undergraduate Level)* *Spring 2022, 2023*

- **Role:** Teaching Assistant (TA)
- Undergraduate Level, 3rd year, Students: 50
- Assisted in course assignment evaluation, providing feedback on individual students' assignments.

Publications

- **Georgios Liargkovas**, Angeliki Papadopoulou, Zoe Kotti and Diomidis Spinellis, **"Software Engineering Education Knowledge Versus Industrial Needs"**, *IEEE Transactions on Education*, 2021 (link)

- **Georgios Liargkovas**, Konstantinos Kallas, Michael Greenberg and Nikos Vasilakis, **"Executing Shell Scripts in the Wrong Order, Correctly"**, *19th Workshop on Hot Topics in Operating Systems (HotOS XIX)*, Providence, RI, USA, 2023 (link)

Volunteering Experience

International Conference of Software Engineering '22 (ICSE '22) *Pittsburgh, PA, USA*
Student Volunteer *May 2022*
- In-person conference support on multiple conference sessions.
- Remote conference support on online sessions.

ESEC/FSE '22 Conference *Athens, Greece (Remote)*
Student Volunteer *May 2022*
- Remote conference support on online sessions.

JabRef *Germany (Remote)*
Open-Source Software Contributor *June 2021*
- Designed and expanded functionality for file import dialog windows (link)
- **Technologies & tools used:** Java (JDK 15, JavaFX)

Student Conference of Management Science & Technology, AUEB *Athens, Greece*
Organizing Committee Member *Oct. 2018 - May. 2019*
- Responsible for contacting conference speakers and social media content creation for the 16th and 17th Student Conference of Management Science & Technology.

ELOI Educational Lab, AUEB *Athens, Greece*
Lab Assistant *Sept. 2018 - Feb. 2019*
- Responsible for the operation and security of the lab during after hours, twice a week

Skills

Programming	C, HTML/CSS, JSP, JavaScript (React), MATLAB, Python, SQL, Shell scriptng, Java (Core, Quarkus)
Miscellaneous	Apache Hadoop, Git, LaTeX, MSSQL Server, Microsoft Office (ECDL Core), MySQL, Neo4J, PowerBI, Redis, SPSS, Shell (Bash/Zsh)

Honors and Awards

2022	**Research Scholarship Award,** Athens University of Economics and Business	*Athens, Greece*
2022	**ACM SIGSOFT CAPS Grant,** ICSE 2022	*Pittsburgh, PA, USA*
2022	**ACM SIGSOFT Support Grant,** Student Mentoring Workshop, ICSE 2022	*Pittsburgh, PA, USA*
2022	**Academic Award,** Athens University of Economics and Business	*Athens, Greece*
2018	**Academic Scholarship Award,** Costeas Geitonas School (CGS)	*Athens, Greece*

Societies & Affiliations

2022 -	**Member,** ACM SIGSOFT	*New York, NY, USA*
2022 -	**Member,** MIT Hellenic Students Association	*Boston, MA, USA*

Languages

English	Fluent - C2
French	Intermediate - B2
Greek	Native

References available upon request.