

Christina Zacharoula Chaniotaki

Personal Information

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| Preferred name | Christina Chaniotaki | Location | Los Angeles, California |
| Email | cchaniot@usc.edu | Languages | Greek (Native), English |
| Mobile | +1 (213)-255-0949 | Social Links |    |

Education

University of Southern California (USC).

Aug 2023 – **Ph.D. in Computer Science.**

present ▶ Research Interests: Software Engineering, Software Testing, Web Services.

Athens University of Economics and Business (AUEB).

Oct 2019 – **MSc in Information Systems, GPA: 8.74/10 – "Distinction".**

Jan 2022 ▶ Thesis: *"An Empirical Investigation of Boilerplate Code,"* supervised by Prof. Diomidis Spinellis.

Sep 2014 – **BSc in Management Science and Technology, GPA: 9.28/10.**

Oct 2018 ▶ Ranked 1st of 54 students in my cohort.

▶ Major: Software Engineering and Data Science.

▶ Thesis: *"DNA – Distributed Network Architecture,"* co-authored with Konstantinos Kopanidis and supervised by Prof. Panos Louridas, Prof. George Xylomenos and, asst. Prof. Dimitris Mitropoulos.

Professional Experience

Aug 2023 – **Graduate Teaching Assistant (Part-time), University of Southern California (USC).**

present ▶ Course: CSCI 530 - Security Systems, Prof. Clifford Neuman.

Feb 2023 – **Senior Software Engineer (Full-time), European Banking Authority (EBA).**

Jun 2023 ▶ Anti-money Laundering Platform: Maintenance and development of the web application.

▶ Egate: Maintenance and development of the competent authorities notification system.

▶ Tech Skills: Java, Angular, Docker, MongoDB, CSS.

Jun 2022 – **Senior Software Engineer (Full-time) - Team Leader, UBITECH LTD.**

Feb 2023 ▶ ResearchHUB: A platform that aggregates data for research projects in the United Arab Emirates.

▶ eu-LISA: A service for the Greek Entry-Exit System for border control.

▶ Tech Skills: Quarkus, Angular, Docker, Elastic, MongoDB, Vue.js, Minio, Figma, Node.js, SQL, CSS.

Aug 2020 – **Senior Software Engineer (Full-time), UBITECH LTD.**

Jun 2022 ▶ Dehems: A platform for monitoring patient records and experiments on HIV blood samples.

▶ Infinittech: A PoC for a Consent Management System for Banking Services.

▶ Tech Skills: Spring-boot, Quarkus, Angular, Docker, Elastic, Vue.js, Minio, Figma, Node.js, SQL, MongoDB, CSS.

Nov 2018 – **Software Engineer (Full-time), UBITECH LTD.**

Aug 2020 ▶ ICARUS: A back-end system and a desktop application for aviation industry sensitive data processing and marketplace purposes.

▶ Tech Skills: Spring-boot, Angular, Docker, Elastic, Solr, MongoDB, Minio, Figma, Node.js, SQL, CSS, WordPress.

Summer **Back-end Developer (Contractor), Oracle.**

2018 ▶ A back-end system for managing billing information in the Hellenic Telecommunications Organisation.

▶ Tech Skills: Java EE, OracleDB, Web Services.

Spring 2018 **Full Stack Web Developer (Intern), Cardlink.**

▶ Cardlink Pulse: An Analytics Platform for managing data of merchant e-shop businesses.

▶ Tech Skills: MEAN stack (Angular, MongoDB, Node.js), Docker, Python.

Aug 2017 – **Software Engineer (Freelance)**, *Quintessential SFT*.

- Jul 2019 ▶ Cardlink Chatbot: A customer support service chatbot.
- ▶ Cloudnouns: A Cloud-Based SaaS billing analytics platform.
- ▶ GAMS Visualization: A platform for excel data visualization.
- ▶ Tech Skills: MEAN stack (Angular, MongoDB, Node.js), Docker, Chatbot (MS Bot Framework).

Research Experience

Aug 2023 – **Research Assistant**, *Software Quality Lab (SQL)*, USC, Los Angeles, Part-time.

- present ▶ Advisor: Prof. William G.J. Halfond.

Feb 2021 – **Research Assistant**, *BALab, AUEB*, Athens, Part-time.

Jun 2023 Laboratory focused on software, systems, methods, and practices.

- ▶ Led an empirical investigation on Boilerplate Code, with Vaggelis Atlidakis, Zoe Kotti, Aggeliki Papadopoulou, George Liargovas, and Prof. Diomidis Spinellis.

Community Service

Dec 2022 Junior PC member at Mining Software Repositories (MSR) 2023.

Publications

Sep 2023 Nikos D Sakkas, Sofia Yfanti, Pooja Shah, Nikitas Sakkas, Christina Chaniotakis, Costas Daskalakis, Marharyta Domnich, Eduard Barbu. “Explainable approaches for forecasting building electricity consumption.” Accepted at MDPI-Energies.

Nov 2022 N. Sakkas, C. Chaniotaki, N. Sakkas, C. Daskalakis. “Building data models and data sharing. Purpose, approaches, and a case study on explainable demand response.” Published at SBEFIN.

May 2016 C. Chaniotaki, P. Prodromidis. “The trade sector and regions that displayed an increase in employment during the recession (2008-2015).” Presented at the 19th Scientific Conference of Association of Greek and Regional.

May 2015 P. Lappas, E. Kritikos, C. Chaniotaki, C.T. Lardopoulou, and A. Gotsi. “An Educational Scenario in the context of Scientific Process: Numerical Solution of Equations and Systems of Equations using Cognitive Tools.” Presented at the 12th DMST Student Conference.

Teaching & Training

Feb 2022 Training-session: One-hour technical training session on web applications with Java and React, *Tech Connect*, Athens, Greece.

Nov 2021 Seminar: Three-hour seminar session on Angular Framework Architecture, Structure, Best Practises etc. with examples, *UBITECH LTD*, Athens, Greece.

Spring 2018 Guest-lecture: Four four-hour lectures on how to Design a Mobile App From Scratch under the & '19 supervision of Prof. George Lekakos, DMST, AUEB, Athens, Greece.

Honors & Awards

2023 Four years funding: Research or Teaching Assistantship, *Ph.D in Computer Science, USC*.

2019 Scholarship for the top student admitted to class, *MSc in Information Systems, at AUEB*.

2018 1st place winner - The development of pilot applications and services for Smart Cities or Public Administrator, *Central Hackathon*.

2017 Innovative Product/Service, *Start-Up/Scale-Up Greece Awards by Philip Morris International*.

Programming skills

Languages: Java, JavaScript, Typescript, Python, HTML5, CSS3, JSP, jQuery, R.

Frameworks: Spring-Boot, Quarkus, Angular 2+, Vue.js, MEAN Stack, RESTful API, Chatbots (BotBuilder),

Libraries: Electron.js, Minio, Hibernate, Maven, NPM.

Databases: SQL, MySQL, MSSQL, Postgres, OracleDB, MongoDB, Redis.

Other: Node.js, Docker, Git, Alexa Skill, Matlab, Wordpress, Firebase, Elastic, Solr, Nginx.

Other Skills: Code Review, Debugging, Testing, User Experience/User Interface (UX/UI), Figma.