Christina Zacharoula Chaniotaki

✉ cchaniot@usc.edu | ☎ +1 (213)-255-0949 | ⚲ Los Angeles, California | 🌐 🞉 in

■ Education

University of Southern California (USC), *Los Angeles, California* · *Aug 2023 – present*

Ph.D. in Computer Science
- Research Interests: Software Engineering, Software Testing, Web Services.

Athens University of Economics and Business (AUEB), *Athens, Greece*

MSc in Information Systems, *GPA: 8.74/10 – "Distinction"* · *Oct 2019 – Jan 2022*
- Thesis: *"An Empirical Investigation of Boilerplate Code,"* supervised by Prof. Diomidis Spinellis.

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

University of Southern California, *Los Angeles, California* · *Aug 2023 – present*
Graduate Teaching Assistant (Part-time)
- Course: CSCI 530 - Security Systems, Prof. Clifford Neuman.

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

UBITECH LTD, *Athens, Greece* · *Jun 2022 – Feb 2023*
Senior Software Engineer (Full-time) - Team Leader
- 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.

UBITECH LTD, *Athens, Greece* · *Aug 2020 – Jun 2022*
Senior Software Engineer (Full-time)
- Dehems: A platform for monitoring patient records and experiments on HIV blood samples.
- Infinitech: 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.

UBITECH LTD, *Athens, Greece* · *Nov 2018 – Aug 2020*
Software Engineer (Full-time)
- 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.

Oracle, *Athens, Greece* · *Summer 2018*
Back-end Developer (Contractor)
- Maintenance and development of the back-end system for managing billing information in the Hellenic Telecommunications Organisation.
- Tech Skills: Java EE, OracleDB, Web Services.

Cardlink, *Athens, Greece* · *Spring 2018*
Full Stack Web Developer (Intern)
- Cardlink Pulse: Design, implementation, and development of the Analytics Platform for managing data and information of merchant e-shop businesses.
- Tech Skills: MEAN stack (Angular, MongoDB, Node.js), Docker, Python.

Quintessential SFT, *Athens, Greece* *Aug 2017 – Jul 2019*
Software Engineer (Freelance)
- ▶ Cardlink Chatbot: Development of a customer support service chatbot.
- ▶ Cloudnous: Development of a Cloud-Based SaaS billing analytics platform.
- ▶ GAMS Visualization: Development of a platform for excel data visualization.
- ▶ Tech Skills: MEAN stack (Angular, MongoDB, Node.js), Docker, Chatbot (MS Bot Framework).

Research Experience

Software Quality Lab (SQL), USC, *Los Angeles, California* *Aug 2023 – present*
Research Assistant (Part-time)
- ▶ Advisor: Prof. William G.J. Halfond.

BALab, AUEB, *Athens, Greece* *Feb 2021 – Jun 2023*
Research Assistant (Part-time) 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

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

Publications

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. *Sep 2023*

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. *Nov 2022*

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 2016*

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. *May 2015*

Teaching & Training

Training-session: One-hour technical training session on "Building web applications with Java and React", *Tech Connect*, Athens, Greece. *Feb 2022 & Feb 2023*

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

Guest-lecture: Four four-hour lectures on how to "Design a Mobile App From Scratch" under the supervision of Prof. George Lekakos, DMST, AUEB, Athens, Greece. *Spring 2018 & 2019*

Honors & Awards

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

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

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

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

Programming skills

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

Frameworks; Libraries: Spring-Boot, Quarkus, Angular, Vue.js, MEAN Stack, RESTful API, Chatbots (Bot-Builder), 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.