

Christina Zacharoula Chaniotaki

Personal Information

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), 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.

APINTECH, Limassol, Cyprus *Feb 2023 – Jun 2023*

Senior Software Engineer (Freelance)

- ▶ UtilAI: Architecture design, implementation, and development of a web platform for managing energy facilities of buildings.
- ▶ Tech Skills: JavaScript, Java, Angular, Quarkus, Docker, TypeScript, Figma, Minio, Elastic, SQL, CSS, HTML5, Python.

UBITECH LTD, Athens, Greece *Jun 2022 – Feb 2023*

Senior Software Engineer (Full-time) - Team Leader

- ▶ ResearchHUB: Design, implementation, and development of a platform that aggregates data for research projects in the United Arab Emirates.
- ▶ eu-LISA: Graphical design and development of the Greek Entry-Exit System for border control.
- ▶ Vikelaia Audiovisual: Development of the website that houses a collection of Cretan culture.
- ▶ 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: Graphical design, implementation, and development of a platform for monitoring patient records and experiments on HIV or COVID blood samples.
- ▶ Kampos Chiou: Development of the website that presents a historical region in Chios.
- ▶ Co-Museum: Re-development of the website that hosts international conferences for Benaki Museum.
- ▶ Infinitech: Development of a PoC for a Consent Management System for Banking Services.
- ▶ Tech Skills: Spring-boot, Quarkus, Angular, Docker, Elastic, Vue.js, Minio, Figma, SQL, MongoDB, CSS.

UBITECH LTD, Athens, Greece

Nov 2018 – Aug 2020

Software Engineer (Full-time)

- ▶ ICARUS: Design and development of the back-end system and the desktop application for an aviation industry-sensitive data processing and marketplace platform.
- ▶ SPIDER 5G Cyber Range: Design the graphical interface of the training platform.
- ▶ DESTINY: Design the graphical interface of the platform that handles digital medical processing.
- ▶ Tech Skills: Spring-boot, Angular, Docker, Elastic, 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).

BUTLAIR - Doobear, Athens, Greece

Feb 2017 – Mar 2018

Junior Back-end Developer (Freelance)

- ▶ BUTLAIR: Design and development of the back-end system.
- ▶ Doobear: Development of a voice application based on Amazon Alexa.
- ▶ Tech Skills: JavaScript, Node.js, SQL, MongoDB, Express.js, Flask Ask, Alexa Skill Kit, Python.

Peoplecert, Athens, Greece

Apr 2017 – Jul 2017

Training Assistant at 2nd Coding Bootcamp (Part-time)

- ▶ Assisting students with issues and questions related to web development technologies.
- ▶ Tech Skills: HTML5, CSS3, Java, JSP, Bootstrap, Servlets, Git, JavaScript, jQuery.

Freelance, Athens, Greece

Oct 2015 – Dec 2016

Web Developer

- ▶ Design and development of static websites.
- ▶ Tech Skills: WordPress, HTML5, CSS3.

■ 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.

Centre of Planning and Economic Research, Athens, Greece

Jun 2015 – May 2016

Research Assistant (Full-time)

- ▶ Econometric sectoral analysis, on elements of the country's workers using STATA tool from 2008–2015, under the supervision of Prof. P. Prodromidis.

Management Science a Technology (DMST), Athens, Greece

Oct 2014 – May 2015

Participant (Part-time)

- ▶ Development of mathematical methods using Matlab to solve Numerical Equations and Systems Equations. Supervised by Prof. P. Lappas.

■ 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*

Seminar: One-hour seminar for "Design Patterns", *UBITECH LTD*, Vitina, Greece. *Feb 2020*

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*

Seminar: One-hour seminar session on "Chatbots", *UBITECH LTD*, Kalavrita, Greece. *Feb 2019*

Seminar: One-hour seminar session on "How to Create a Cloud Application with Firebase and Angular", Scientific Technology Conference from IEEE Student Branch, Lamia, Greece. *Dec 2018*

Seminar: One-hour seminar session on "How to create an Alexa Skill", 14th Student Conference, DMST, Athens, Greece. *Feb 2017*

Workshop: One-hour workshop on "What are the neural networks", *ACEin*, Athens, Greece. *Oct 2016*

■ Community Service

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

■ 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*

Award for Excellent Assignment in Algorithms and Data Structures by Prof. P. Louridas. *2016*

■ Certifications

Software Developer Skills with Java, *PeopleCert, Athens, Greece*. *2021*

■ 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 (BotBuilder), 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.