

Education

PhD	Department of Computer Engineering and Informatics, University of Patras, Greece February 2012 – July 2017
MSc. GPA: 8,7 /10	Computer Science and Engineering, Department of Computer Engineering and Informatics, University of Patras, Greece October 2009 – February 2011
5 Year Diploma GPA: 7,2 /10	Department of Communication and Information Systems Engineering, University of the Aegean, Samos, Greece October 2004 – July 2009
6 th High School of Patras, GPA: 17,0 /20	September 2001 – September 2004

Working Experience

- Co-Founder & CEO, Looper P.C., January 2018 – Present:
 - Founded Software agency with core product the 1st cloud service focusing on the digital transformation of facility management, called ‘poliaktikia.gr’
- University of Ioannina, Laboratory of Knowledge & Intelligent Computing, July 2020 - Present
- Technical Project Manager, Desquared A.E., October 2017 – June 2020:
 - BE Technical Project Manager (TPM) on” BOX food for your mood” ordering service.
 - Technical Project Manager (TPM) on 11888 food ordering service. I worked as coordinator and team leader of the project as a whole and in more detail:
 - Implementation of the service infrastructure
 - Implementation of mobile apps (Android and iOS)
 - Implementation of the web application (<https://11888.gr/food/>)
 - Technical Project Manager (TPM) of COSMOTE 11888 giaola service. I worked as a coordinator and core software engineer of the mobile application for Android and iOS for search and booking request with professionals - 11888 giaola
- Lead Software Engineer at Computer Technology Institute and Press “Diophantus”, August 2012 - Present
 - I created usable platforms using Drupal CMS, contributed and developed Drupal modules and native or hybrid mobile applications. Apart from the projects I participated, I offered advice and services to other projects. Projects Developed:
 - “STUDENT TRANSPORT”: April 2016 – November 2016
 - An automated system for the region of Western Greece, which manages the transportation of the students from and to school. The system tries to find the best route and transportation mean based on time and distance calculations.
 - “DIGISKILLS”: November 2013 – December 2014
 - A Social Networking Platform that implements a repository for best practices
 - “GREENMINDSET” – November 2013 – December 2014
 - A Web Portal that enhances green action by showing real-time measurements and graph charts of sensors that have been installed in many Greek schools.

- “GRETA”: October 2012 – October 2013
 - A Mobile Application for Android that maintains dynamic tourist information for Iliia.
 - “SONETOR”: August 2012 – August 2013
 - A Training Social Networking Platform with modern adult education methodologies
 - Freelancer:
 - Projects Developed:
 - “ACCESSPAL TRACKER”:
 - An android mobile application for aiding people with impairments move around in the city. The application tracks user location and helps him add meta information such as curb ramps, accessible entrance and accessible parking lots along with a condition rating. This information can later (optionally synchronize the routes with the backend service) be accessible to any interested user. **Project link:** <https://play.google.com/store/apps/details?id=eu.accesspal.team.accesspaltracker>
 - “GOOGLE DRIVE CORDOVA PLUGIN”:
 - An open source plugin for application developers using cordova and want to bring Google’s Drive features in their hybrid application. Users can create and upload, download, view and delete files either created in application’s directory (private Drive folder, usually used for database backup) or in public directories. **Project link:** <https://github.com/JcDenton86/cordova-plugin-jc-googledrive>
 - “LexiconMe”:
 - A translation service for people who leave in Sweden but they are not from there. The application has educational characteristics, including various types of test and quizzes. Users can save words for offline use. LexiconMe was found to be very useful application for university students and people have been to Sweden for work. **Project Link:** <https://play.google.com/store/apps/details?id=gr.lexicon.team>
 - TvSeeker:
 - TvSeeker is a tv series recommendation application for the Android platform that help users organize their shows by creating collection list and watch list. Among other functionalities, the application can send notifications to inform the user about the next episode airdate. This application is the outcome of a personal side project. **Project link:** <https://play.google.com/store/apps/details?id=shows.uniteam.gr>
 - “RENA SHOP”: May 2016 – December 2016
 - Rena Shop is an e-shop platform that was build using Drupal Commerce. **Project link:** <http://e-renashop.gr>
 - “3R TEETDE”:
 - An informative portal about recycling and an android application. I developed a simple game application for Android where users learn to recycle each garbage in an interactive and educated way. **Project link:** <http://3r.teetde.gr> - <https://play.google.com/store/apps/details?id=gr.asa.tee>
 - “HOTPATRAS / HOTPATRAS AR”:
 - HotPatras is a service depending on data that I collect from social network activity in the region of Patras. I then use this data to show the most popular venues and areas in the city, depending on the day and time, showing where local residents like to hang out. **Project link:** <https://play.google.com/store/apps/details?id=hotcity.ubi.gr.hotpatras>
 - “PHOTOSPHERE CORDOVA PLUGIN”:
 - I created an open source cordova plugin for an android application I developed in my work. Using Panorama API the plugin fetches a 360 picture from the internet and caches it locally on the device. The plugin uses the native photosphere viewer to display the picture from

within a cordova application. **Project link:** <https://github.com/JcDenton86/cordova-plugin-panoramaviewer>

- “EIREEN SCARVES”: July 2014 – December 2014
 - A fashion site for a private company. My objective was to make a positive impact on their clients. Using my skills and experience on development I coded an attractive website based on Bootstrap using jQuery and PHP along with HTML 5 and CSS3. **Project link:** <http://eireen.gr>
- “MOJO RADIO”: July 2013 – November 2013
 - The official mobile application for iOS for a known local radio station in Patras. The application offers social services such as sharing content and sending SMS. Users can listen from everywhere, read news and get information for upcoming events.
- “GMALL”: February 2012 – November 2012
 - A shopping mobile application for Android, for Greek shopping malls. Gmall (aka Greek-Mall) is the outcome of a personal side project that can be your guide during a visit in a shopping mall. Users can get driving directions to the mall, information, explore the mall using the indoor map and search for stores. Finally, it provides social services for sharing content. This application was my introduction to Android development. **Project link:** <https://play.google.com/store/apps/details?id=mctities.workspace.gmall>

Academic Experience

- Post Doctoral: Laboratory of Knowledge and Intelligent Computing, University of Ioannina
 - Working as a team leader and project manager, responsible for the project’s time plans
- Computer Engineering & Information, University of Patras, Greece
 - Research
 - PhD research:** Dynamic Spatiotemporal Information on Mobile Devices, Using Data From Social Networks
I use the capabilities of augmented reality in combination with existing social networks offering real-time information. Social networks like Facebook and Foursquare, providing services that enable users to share various types of information. Part of this information includes sites, shops and outdoor locations and is known as a check-in. In this research, I collect check-ins for urban areas from a variety of cloud sources (Google Places, Facebook, Foursquare) and trying to find out if this information can show the pulse of the city in order to provide to visitors and tourists the hot areas depending on the time and their location.
Technologies Used: Vuforia SDK, Android (JNI), Unity (C#, UnityScript), Cloud-based services (PHP, Javascript), Social Network APIs.
- Computer Engineering & Informatics, University of Patras, Greece
 - Research
 - Master Thesis:** Extractive Summarization of Users Opinions for Products and Services Using Coreference Chains
Technologies Used: Java, Weka, Text Mining, Linear Algebra
Advisor: Dimitrios Christodoulakis, Professor
- Communication and Information System Engineering Dept., University of Aegean (Samos), Greece
 - Research
 - Diploma Thesis:** Classification Techniques of Search Engine Results Based on User’s Logs
Requirements: Java, Data Mining, Databases
Advisor: Manolis Maragoudakis, Lecturer

Honors/Awards

- **1st Place Award: Apps4Greece – Thessaloniki Tourism Edition**, Greece, January 2016
- **1st Place Award: 2nd International UBI Challenge**, ACM MUM2013, Finland, July 2013
- **2nd Place Award: Tourism Crowdhackathon** organized by SETE and supported by Google. Greece, October 2015

Publications/Presentations

- Mystakidis, S., Besharat, J., Papantzikos, G., Christopoulos, A., Stylios, C., Agorgianitis, S., & Tselentis, D. (2022). Design, development, and evaluation of a virtual reality serious game for school fire preparedness training. *Education Sciences*, 12(4), 281
- Salmas, D., Botilias, G., Besharat, J., & Stylios, C. (2021). Lesson Learnt by Using DevOps and Scrum for Development a Traceability Software. In *Trends and Applications in Information Systems and Technologies: Volume 4 9* (pp. 366-373). Springer International Publishing.
- Charalampous V; Besharat J; Stylios C; "Designing and Developing a VR Environment for Indoor Fire Simulation" 24th Pan-Hellenic Conference on Informatics, 2020
- Tzani M; Besharat J; Charalampous V; Stylios C; "Building a Virtual Reality Fire Environment based on Fire Dynamic Simulator" International Conference on Information 2020
- Komninos, A; Besharat, J; Stefanis, V; Gogoulou, G; Garofalakis, J; "Assessing the perceptibility of smartphone notifications in smart lighting spaces" *journal-of-ambient-intelligence-and-smart-environments*
- Komninos A.; Besharat J.; Stefanis V.; and Garofalakis J.; "Perceptibility of Mobile Notification Modalities during Multitasking in Smart Environments," *2018 14th International Conference on Intelligent Environments (IE)*, Roma, Italy, 2018, pp. 17-24.
doi: 10.1109/IE.2018.00011
- Komninos A.; Besharat J.; Ferreira D.; Garofalakis J.; Kostakos V.; "Where's everybody? Comparing the use of heatmaps to uncover cities' tacit social context in smartphones and pervasive displays" *Journal of Information Technology*
- Papadimitriou G.; Laliotis K.; Besharat J.; Adamopoulos G.; Belikaidis I.; Kiouisis P. "AccessPal: A novel service aiding people with impairments move around" 2017 International Conference on Smart Cities and Mobility as a Service
- Besharat, J.; Komninos, A.; Papadimitriou, G; Lagiou, E; Garofalakis, J., "Augmented Paper Maps: Design of POI Markers and Effects on Group Navigation" *Journal of Ambient Intelligence and Smart Environments*
- Komninos, A.; Besharat, J.; Garofalakis, J., " Use of Self-Reporting Questionnaires to Evaluate Augmented Paper Maps for Group Navigation," *Ambient Intelligence, Springer International Publishing*, vol., no., pp.125,137, Nov. 2015
- Komninos, A.; Stefanis, V.; Plessas, A.; Besharat, J., "Capturing Urban Dynamics with Scarce Check-In Data," *Pervasive Computing, IEEE* , vol.12, no.4, pp.20,28, Oct.-Dec. 2013
doi: 10.1109/MPRV.2013.42
- Komninos, A., Besharat, J., Ferreira, D., & Garofalakis, J. (2013, December). HotCity: enhancing ubiquitous maps with social context heatmaps. In *Proceedings of the 12th International Conference on Mobile and Ubiquitous Multimedia* (p. 52). ACM
- Komninos, A., Barrie, P., & Besharat, J. (2013). Helping Tourists to Plan Activities with Shared Urban Social Context. In *Intelligent Environments (Workshops)* (pp. 663-672)
- Komninos, A.; Besharat, J.; Garofalakis, J.; Michelakis, D., "This is how we roll: Cultural traits in check-in behaviour," *Wireless and Mobile Computing, Networking and Communications (WiMob), 2014 IEEE 10th International Conference on* , vol., no., pp.225,230, 8-10 Oct. 2014
doi: 10.1109/WiMOB.2014.6962175
- Stylios G., Christodoulakis D., Besharat J., Maria-Alexandra, Kotrotsos J., Koumpouri A., Stamou S. In *ECEG '10: 10th European Conference on eGovernment, Limerick, Ireland, 16-19 June, 2010*. Deciphering The Public's Stance Towards Governmental Decisions

- Kirtsis, N., Tzekou, P., Besharat, J., & Stamou, S. (2013). Identifying Polarized Wikipedia Articles. In P. Ordóñez de Pablos, H. Nigro, R. Tennyson, S. Gonzalez Cisaró, & W. Karwowski (Eds.) *Advancing Information Management through Semantic Web Concepts and Ontologies* (pp. 272-284). Hershey, PA: Information Science Reference. doi:10.4018/978-1-4666-2494-8.ch014
- Stylios G., Christodoulakis D., Besharat J., Maria-Alexandra, Kotrotsos J., Koumpouri A., Stamou S. “Public Opinion Mining for Governmental Decisions”. *Electronic Journal of e-Government, Vol 8, Issue 2, pp 203-214*

Technical Skills

- Platforms: Android, MacOS X, Unix/Linux, Windows XP/Vista/7/8/10
- Languages: C#, Swift, Java, PHP, JavaScript
- Databases: MySQL, Postgres, Mongo
- Frameworks: AngularJS, VueJS, ReactJS, Phonegap/Cordova, Electron
- Backend: NodeJS, Spring, Grails, PHP MVC
- CMS: Drupal, KeystoneJS
- Technologies: Maven, Room Library, DI, REST, Observers, MVVM, MVC, MEAN Stack

Teaching Experience

- Online lectures Interreg Program: January 2020 – March 2020
 - Mobile programming
- Teacher: October 2014 – February 2015
 - Public Institute of Vocational Training in Patras
- Lecturer on Android developer seminar: July 2012
 - Private Institute of Vocational Training AKMI
- Teaching Assistant: February 2010 – June 2010
 - Software Engineering,
Advisor: Dimitrios Christodoulakis, Professor
- Teaching Assistant: October 2009 – February 2010
 - Undergraduate laboratory of Databases,
Advisor: Vasileios Megalooikonomou

Conferences/Seminars Attended

- 17th European Conference on Digital Government (ECDG), held in Lisbon, Portugal, June 12-13, 2017
- 12th International Conference on Mobile and Ubiquitous Multimedia (MUM 2013), held in Luleå, Sweden, December 2-5, 2013
- 10th European Conference on eGovernment (ECEG 2010), held in Limerick, Ireland, June 16-19, 2010
- 19th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2007) held in Patras, Greece, October 29-31, 2007
- Complete Service of e-Learning and Digital Sources e-RMIONE held in Karlovasi, Samos, December 2, 2006

Research Interests

- Augmented Reality
- Mobile Computing
- Databases
- Machine learning and Data Mining
- Information Retrieval
- Natural Language Processing

Languages

- English: First Certificate in English, University of Cambridge, December 2001
- Greek: Native

References:

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