

ZOI ROUPAKIA

38 Harwood Terrace, London SW62AB, UK
+44 (0)7456040056
zr216@cam.ac.uk, zoi.roupakia@gmail.com
<http://mi.eng.cam.ac.uk/~zr216>, <https://uk.linkedin.com/in/zoiroupakia>

EDUCATION

2007–today	PhD in Engineering, University of Cambridge, UK Title: <i>Nonlinear Adaptation for Large Vocabulary Speech Recognition</i> Areas of focus: <i>kernel methods, speaker adaptation, large vocabulary speech recognition, model selection</i>
Aug 2007	Summer School in Machine Learning, Max Planck Institute, Germany
2006–2007	MPhil in Computer, Speech, Text and Internet Technology, University of Cambridge, UK Modules: <i>speech recognition, dialogue systems, speech synthesis, linguistics, semantics</i>
2000–2006	5-year-degree in Electrical and Computer Engineering, Aristotle University of Thessaloniki, Faculty of Engineering, Greece (Grade: 7.7/10)
1997–2000	National Apolytirion, Private Lyceum M.N.Raptou, Larissa, Greece (Grade: 19.8/20) Panhellenic exams 2000: Grade 19.8/20 Panhellenic exams 1999: Grade 19.9/20

WORK EXPERIENCE

May'15–today	Business Consultancy <ul style="list-style-type: none">• Main advisor for ERP systems, Psychiatric Clinic “Saint Nikitas” S.A. , Larissa, Greece• Concept solution for automatic speech translation for a startup, Greece
Dec'14–Apr'15	UI/UX Designer/Developer, Psychiatric Clinic “Saint Nikitas” S.A., Larissa, Greece <ul style="list-style-type: none">• Translated business requirements to software specifications and presented prototypes for a decision point.• Built and developed the website.
Sep '13–Mar '14	Internship in the Research Team of Speech Synthesis group, Google London, UK <ul style="list-style-type: none">• Worked in speech synthesis. Developed and applied new algorithm for voice conversion.• Filed patent application entitled “<i>Methods and Systems for Voice Conversion</i>”, US 14/631464.• Part of the project is in the product line, in the Google TTS app (Version 3.8).
2007–2010	Practical assistant for CSTIT (Computer, Speech, Text and Internet Technology) MPhil course University of Cambridge, UK <ul style="list-style-type: none">• Responsible for setting up and running tests, helping students of different background understand the course, instructing, monitoring and assessing students' progress.
Jun '06–Sep '06	Assistant for the Project MOPCON, PROKEL S.A. Larissa, Greece <ul style="list-style-type: none">• PROKEL S.A participated in the 3-year project MOPCON (EU CRAFT ref G5ST-CT-2002-50331): “Development of Smart Microencapsulated Organic Phase-Change-Materials for Enhancing Heat Storage Capacities of Concrete”. Responsible for organizing and communicating with the other partners of the project (from Spain, the Netherlands, France).
Mar '06–May '06	Internship in the IT department, EGNATIA ODOS S.A. Thessaloniki, Greece <ul style="list-style-type: none">• The company is responsible for the construction, operation and maintenance of motorways in Greece• Client/Server database programming (Oracle), responsible for building an application for automatic estimation of the budget and the cost of each project-work.

SELECTED AWARDS - DISTINCTIONS

2012	ISCA grant for Interspeech 2012
2007-2010/2012	Lucy Cavendish College, Award for PhD financial support at the University of Cambridge
2009–2011	Leventis Foundation Scholarship
2007–2008	Lucy Cavendish College, Kate Bertram Prize for Distinction Result in MPhil in Computer Science
2007–2010	Cambridge European Trust, George and Maria Vergotis Cambridge Bursary for PhD in Engineering
2000	Panhellenic Exams Success: 5th Best Student Mark adhered for the degree applied
1999	Success in mathematic contest “Thalis”, Hellenic Mathematical Society, Greece

PROFESSIONAL QUALIFICATIONS

2006–today | Member of the Technical Chamber of Greece

PATENTS

2015 | Y. Agiomyrgiannakis and Z. Roupakia, “Methods and systems for voice conversion,” Google Inc., Patent (filed) US 14/631 464, 2015

PUBLICATIONS - THESES

- 2016 | Y. Agiomyrgiannakis and Z. Roupakia, “Voice morphing that improves TTS quality using an optimal dynamic frequency warping-and-weighting transform,” *ICASSP*, 2016
- 2012 | Z. Roupakia, A. Ragni, and M. Gales, “Rapid nonlinear adaptation for large vocabulary continuous speech recognition,” *INTERSPEECH*, 2012
- 2011 | Z. Roupakia and M. Gales, “Kernel eigenvoices (revisited) for large-vocabulary speech recognition,” *IEEE Signal Processing Letters*, 2011
- 2008 | Z. Roupakia, “Nonlinear methods for speech processing,” *First year report, University of Cambridge*, 2008
- 2007 | Z. Roupakia, “Nonlinear projection schemes,” *MPhil Thesis, University of Cambridge (Grade: A-)*, 2007
- Application of nonlinear projection schemes to the front-end processing stage of a medium size vocabulary speech recognition system. Implementation in C and MatLAB.
- 2006 | Z. Roupakia, “Development of a web portal for smart information searching and improvement of business competitiveness (smart b2b services),” *Thesis, Aristotle University of Thessaloniki (Grade: 10/10)*, 2006
- An integrated system of intelligent focused crawling, indexing and information extraction was developed. Implementation in Java and JSP.

SKILLS

- Computing |
 - **working with** C/C++, shell scripting, MatLAB, HTK/HTS Toolkit, Linux
 - **experience with** Python, Oracle, MySQL, Java, JSP
- Languages | **Greek** - Native speaker, **English** - Fluent, **Italian** - holder of Diploma di Lingua Italian awarded by Istituto Italiano di Cultura, **German** - holder of Zertificat Deutch awarded by Goethe Institut

SELECTED CONFERENCES - WORKSHOPS ATTENDED

- Mar 2016 | Presentation in ICASSP 2016, Shanghai, China
- Apr 2014 | Google Doctoral Workshop on Speech Technology 2014, London, UK
- Mar 2014 | Talk in Google Speech Group, London, UK
- Apr 2013 | Talk in Graduate Seminar Day, Lucy Cavendish College, UK
- Dec 2012 | Presentation in UK Speech Conference, Birmingham, UK
- Sep 2012 | Presentation in INTERSPEECH 2012, Portland, USA
- Jul 2011 | Startup Weekend, Amsterdam, the Netherlands
- 2010–2011 | Management of Technology and Innovation Programme, Judge Business School, Cambridge, UK

VOLUNTEERING WORK AND INTERESTS

- current | Hub of ideas, articles and tools for speech recognition and synthesis: <http://speechstones.com>
Photography and digital art, portfolio: <http://zoiroupakia.portfoliobox.me>
Graph of the day inspired by politics, news, social problems: <http://graphoftheday.com>
- Dec 2015 | Volunteer at TechCrunch Disrupt, London
- Oct 2015 | Ran and fundraised for Race for Life Half Marathon (donations+gift aid > £1000), training for marathon
- May '13–Sep '13 | **Member of the local arrangements committee for the UK Speech Conference 2013**, Cambridge, UK
- Mar '13–Jun '13 | **Member of the organising committee for the Information Engineering Division Conference**, University of Cambridge, UK
- 2010–today | **Co-founder of Library Paraskevi Zoulia**, a non-profit four-person team which has founded and supported a library in the island of Milos, in Greece
- 2010–2011 | **Social Events Officer** of Cambridge University Hellenic Society (CUHS)
- Responsible for organising the events of the society and maintaining society’s webpage.