Sofia Eleni Spatharioti

PhD Candidate in Computer Science

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440 Huntington Avenue
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Education

Northeastern University, Boston, MA, USA   (09/2015 - 06/2020)

PhD Student in Computer Science   Current GPA: **3.8/4**

Advisor: Prof. Seth Cooper

Courses
➢ Advanced Algorithms   ➢ Machine Learning   ➢ Human Computer Interaction

Projects

➢ Design of a web application for homebuyers in Boston (collaboration with the Boston Mayor's Office and the Boston Home Center)

National Technical University of Athens, Athens, Greece   (09/2009 - 06/2015)

Degree in Electrical and Computer Engineering, (5-year study program - MSc Equivalent)   GPA: **7.2/10**

Thesis: *"Study, Extraction and Utilization of Relational Models among Virtual Entities in the Social Internet of Things"*

Courses
➢ Operating Systems   ➢ Artificial Intelligence   ➢ Human-Computer Interaction

➢ Computer Graphics   ➢ Computer Networks   ➢ Management of the Digital Enterprise

Projects
➢ Implementation of a Video Game using Unity Game Engine

➢ Implementation and management of an online marketplace using Magento and OpenERP

Research Experience

Northeastern University, Boston, MA USA

Research Assistant   (09/2015 - Present)

Advisor: Prof. Seth Cooper

▸ Research interests include games, human computer interaction and crowdsourcing

▸ Currently working on Cartoscope, an open-source research project on crowdsourcing for disaster response

▸ Focus of research project includes the influence of various factors, such as image variety, in user experience and engagement

Publications

▸ **Sofia Eleni Spatharioti**, Rebecca Govoni, Jennifer S. Carrera, Sara Wylie and Seth Cooper, (2017) *A Required Work Payment Scheme for Crowdsourced Disaster Response: Worker Performance and Motivations*, In: Proceedings of the ISCRAM 2017 Conference, Albi, France

▸ **Sofia Eleni Spatharioti** and Seth Cooper, (2017) *On Variety, Complexity, and Engagement in Crowdsourced Disaster Response Tasks*, In: Proceedings of the ISCRAM 2017 Conference, Albi, France - **Best Student Paper Award Nomination**

Presentations

- **Sofia Eleni Spatharioti**, Rebecca Govoni, Jennifer S. Carrera, Sara Wylie and Seth Cooper. (2017) Cartoscope: A New Platform for Citizen Science and Disaster Response. Citizen Science Association Conference, St. Paul, MN.

- **Sofia Eleni Spatharioti**, Rebecca Govoni, Jennifer Carrera, Sara Wylie and Seth Cooper. (2016) Exploring Required Work and Progress Feedback in Crowdsourced Mapping. AAAI Conference on Human Computation and Crowdsourcing, Austin, TX.

Work Experience

Velti, Athens Greece

Junior Software Engineer   (10/2014 - 03/2015)

Part of the company's Innovation Department, responsible for research on new technologies. Worked on *OPENi*, a European Union ICT Project, which is an open-source, web-based framework for integrating applications with cloud-based services and personal Cloudlets. Responsible for creating an Authentication Server, as well as a fully functional web user interface for OPENi.

Technical Skills

Languages:	**Programming Skills:**	
English: Fluent (CPE)	Python (Experienced)	CSS,HTML5 (Experienced)
French: Good (Sorbonne C1)	Javascript (Experienced)	AngularJS (Experienced)
Greek: Native speaker	R, MATLAB (Experienced)	C (Familiar)

Achievements

➢ Graduated first in class of 2009 at Gennadeios School (2009)

➢ Raised more than 1,000 Euros during a fund raising campaign for "Smile of the Child" non-profit voluntary organization as a member of the High School Student Council (2008)

➢ Qualified in the national "Thales" and "Euclid" mathematics competitions (2006)

Interests & Misc.

➢ Reviewer for FDG 2017 (PC Member) and CitSci 2017.

➢ Organizer of Northeastern University's CCIS PhD Women Group.

➢ Composer and performer for a music band, performed at various music halls.

➢ Tennis Amateur Athlete.