

# Sofia Eleni Spatharioti

PhD Candidate in Computer Science

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## Education

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**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

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**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

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- ▶ **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

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- ▶ **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

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**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

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### Languages:

English: Fluent (CPE)

French: Good (Sorbonne C1)

Greek: Native speaker

### Programming Skills:

Python (Experienced)

Javascript (Experienced)

R, MATLAB (Experienced)

CSS,HTML5 (Experienced)

AngularJS (Experienced)

C (Familiar)

## Achievements

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- Presented Cartoscope at an exhibit for Citizen Science at the Cleveland Museum of Natural History (2017)
- 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.

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- Reviewer for FDG 2017 (PC Member) and CitSci 2017.
- Organizer of Northeastern University's CCIS PhD Women Group and CCIS PhD Social Hour.
- Reviewer for Origin, a student-led Tech Hub for entrepreneurship at Northeastern University.
- Composer and performer for a music band, performed at various music halls.
- Tennis Amateur Athlete.