

# Sofia Eleni Spatharioti

PhD Candidate in Computer Science

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## Education

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

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

**Advisor:** Prof. Seth Cooper

### Selected Courses

➔ Advanced Algorithms    ➔ Machine Learning    ➔ Human Computer Interaction

### Selected 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"

### Selected Courses

➔ Operating Systems    ➔ Artificial Intelligence    ➔ Human-Computer Interaction  
➔ Computer Graphics    ➔ Computer Networks    ➔ Management of the Digital Enterprise

### Selected Projects

➔ Implementation of a 2D Video Game using Unity Game Engine  
➔ Implementation 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 task variety and interface design, in user experience and engagement

**Microsoft Research**, New York City, NY USA

Research Intern (05/2018 - 08/2018)

**Mentors:** Jake Hofman & Dan Goldstein

- ➔ Part of the Computational Social Science Group
- ➔ Worked on designing and implementing a crowdsourcing platform and database to generate perspectives for helping people understand unfamiliar numbers encountered in news and other sources.

## Publications

📖 **Sofia Eleni Spatharioti**, Sara Wylie and Seth Cooper, (2018) Does Flight Path Context Matter? Impact on Worker Performance in Crowdsourced Aerial Imagery Analysis, In: Proceedings of the ISCRAM 2018 Conference, Rochester, NY, USA

📖 **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**, Sara Wylie and Seth Cooper. (2018) Identifying and Assessing Points of Interest through Crowdsourced Image Analysis. In: Proceedings of the ISCRAM 2018 Conference, Rochester, NY, USA

🗨️ **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#, Unity (Experienced)

## Achievements

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➔ Nominated for Northeastern University's Outstanding Graduate Student Award in the category: Research: Life Sciences, Physical Sciences and Engineering (2018)

➔ Presented Cartoscope at Public Lab's annual Barnraising (2017)

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

➔ 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, CitSci 2017 and ISCRAM 2018.

➔ 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.