

## Daniel SMILKOV

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## EDUCATION

**Massachusetts Institute of Technology, Cambridge, MA** (Cumulative GPA: 5/5) 2014

- Master's candidate at MIT Media Lab
- Focus on data analytics, mining and statistical inference

**SS. Cyril and Methodius University, Skopje, Macedonia** (GPA: 3.9/4) 2011

- Bachelor + Master's degree in Computer Science
- Focus on algorithms, software engineering and distributed systems

## WORK EXPERIENCE

**MIT, Research assistant, Macro Connections Group** ([macro.media.mit.edu](http://macro.media.mit.edu)), **Cambridge, MA** 2012-

- Immersion (<https://immersion.media.mit.edu>)
  - Email meta-data analysis + visualization.
  - Over 1,000,000 visits in a month. Over 600,000 unique visitors in 2 months. Approx. 5 billion email headers in the database.
  - Picked up by over 200 news articles internationally including NYTimes, Time, Forbes, NPR, NBC, ABC News, Huffington post with titles like: Learn what email meta-data can reveal about you using this tool; Spy on yourself; See what NSA already knows about you...
  - Gave a TEDxCambridge talk, Sept 2013: The revealing nature of meta-data

**Maced. Acad. of Sci. and Arts, Researcher, Complex Systems and Networks, Skopje, Macedonia** 2010-2012

- Worked with a professor from UCSD on mining, modeling and clustering large real-world social, technological and biological networks
- Published 5 journal papers in the field of Network Science (list available upon request)

**IBM Research, Research Intern, Distributed Digital Media Group, Hawthorne, NY** 2010 8 months

- Routing algorithms for P2P video conferencing
- Published 2 papers in IEEE conferences (list available upon request)
- Launched a prototype P2P videoconferencing software on IBM's internal website

**Time.mk, Software intern, Tech start-up, Skopje, Macedonia** 2009 summer

- News aggregator website (like Google news) founded by ex-Googler
- Ranked 1<sup>st</sup> by number of visits in Macedonia
- Worked on automated news content extraction and clustering

**Netcetera A.G., Software Intern, Branch in Skopje, Skopje, Macedonia** 2008 summer

- Leading Swiss software company
- Implemented an event notification system in Java, client-server architecture.

## CONTESTS AND AWARDS

**CodeFu Seasonal, national algorithm competition, Skopje, Macedonia** 2009

- 1<sup>st</sup> place (won an iPod)

**CodeFu Annual, national algorithm competition, Skopje, Macedonia** 2007

- 3<sup>rd</sup> place (fully covered expenses to Jazoon, International Java conference in Zürich)

**ACM SEER, international algorithm competition, Bucharest, Romania**

- Represented our university (3 students out of 400)

**Government scholarship** awarded to top 100 graduate students  
**Government scholarship** awarded to talented university students

*2009-2011*  
*2005-2009*

## **PROGRAMMING SKILLS**

Java, Python, Javascript, C/C++, Matlab, R, HTML/CSS, SQL and non-SQL databases