

Daniel SMILKOV

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INTERESTS

Data analysis, interactive visualization, statistics, machine learning.

EDUCATION

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

- Master's candidate at MIT Media Lab
- Focus on data analysis and visualization

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), **Cambridge, MA** 2012-

- Immersion (<https://immersion.media.mit.edu>)
 - Email meta-data analysis + visualization web tool
 - Over 1,000,000 visits in a month. Over 600,000 unique visitors in 2 months
 - Approx. 5 billion email headers in the database
 - Covered by over 200 news articles internationally
 - 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-Gogler
- Ranked 1st 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

- 1st place (won an iPod)

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

- 3rd 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 2009-2011

PROGRAMMING SKILLS

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