

## Daniel SMILKOV

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## INTERESTS

Data mining, statistics, machine learning, distributed systems and optimization.

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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 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

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## 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 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

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## 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 2009-2011

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## **PROGRAMMING SKILLS**

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