

**GEORGI GUNINSKI**

**Sofia, Bulgaria**

e-mail [guninski@guninski.com](mailto:guninski@guninski.com), [gguninski@gmail.com](mailto:gguninski@gmail.com)

site: <http://www.guninski.com>

blog: <https://j.ludost.net>

Linkedin: <https://www.linkedin.com/in/georgi-guninski-b0069a156/>

#### ACHIEVEMENTS

- Per rough conservative estimate 110+ security vulnerabilities, in widely used software, not counting contract work. Vulnerabilities range from remote kernel problems to browser bugs
  - The first exploitable gmail bugs
  - Remote root in Ubuntu via apt-key
  - Remote OpenBSD denial of service in IP6 (very rare)
  - Design flaw in windows when loading dynamic libraries from current working directory, *efficient* exploit vector in malware
  - Design flaw in windows when digitally signing buggy mobile code (ActiveX)
  - Design flaw in cryptography RFC about DH group parameters, LibreSSL fixed it
  - Publications received popular media coverage (CNN, cnet.com, theregister.co.uk).
- Listed as contributor to Firefox (web browser) and Wireshark (network sniffer)
- math preprint "Note: a counterexample to a conjecture of Jackson about hamiltonicity of diregular digraphs"  
<http://arxiv.org/abs/1602.06380>
- As of Jan.2018 top 3% overall on Mathoverflow, StackExchange site, profile <https://mathoverflow.net/users/12481/joro?tab=profile>
- Found 6 of the 169 known high merit abc triples  
<http://www.math.leidenuniv.nl/~desmit/abc/index.php?set=3>

#### IN MEDIA:

CNN (12 results): <https://www.google.com/search?q=%22georgi+guninski%22+site:cnn.com&gbv=2>

CNET (74 results): <https://www.google.com/search?gbv=1&q=%22georgi+guninski%22+site%3Acnet.com&oq=&aqs=>

The Register (77 results): <https://www.google.com/search?gbv=1&q=%22georgi+guninski%22+site%3Atheregister.co.uk&oq=&aqs=>

**NOTES: Looking for remote home based work only from Sofia, Bulgaria (it is in the European Union). I avoid using Microsoft products.**

## TECHNICAL SUMMARY

Skills: IT Security, Programming, Experimental Mathematics, QA

Programming Languages: Sagemath, Python, C, JavaScript

Operating Systems: Linux, basic \*BSD

## EXPERIENCE

Experimental mathematics	2009-present
Partial security research	2009-present
Netscape and Mozilla Corporation Independent Security Consultant.	1999-2009
Technologica Ltd, IT expert	1996-1999
ACTA Ltd. Clipper developer, Bank software	1995-1996

## EDUCATION

University of National and World Economy - Sofia, Bulgaria  
MA in International Economic Relations      GPA: 5.38/6.00  
1991-1995

114 English Language School Liliana Dimitrova,  
graduated with gold medal      1986-1991