Bogdan-Gabriel Ursu

Personal Details

Email: bogdanbear@live.com.

Birthdate: 22.November.1992

Mobile: +40 752 816240.

Website: bogdanbear.github.io

Education

Master Studies, École Normale Supérieure de Cachan, France

2016–present **MPRI - Parisian Master of Research in Computer Science (2nd year)**,

Joint programme with ENS Paris, École Polytechnique and Paris-Diderot.

- Selected Courses:
  - Cryptographic protocols: computational and symbolic proofs
  - Techniques in cryptography and cryptanalysis
  - Arithmetic algorithms for cryptology
  - Polynomial systems, computer algebra and applications
  - Error correcting codes and applications to cryptography
  - Quantum information and applications
  - Foundations of privacy

2015–2016 **MPRI - Parisian Master of Research in Computer Science (1st year)**,
Rank: 2nd, Summa cum laude.

- Research Project: Sieving Algorithms to Solve the Shortest Vector Problem, LASEC, École Polytechnique Fédérale de Lausanne. Grade: 18/20.
- Courses:
  - Computability and Complexity
  - Advanced Complexity
  - Introduction to Verification
  - Software Engineering
  - Tree Automata and Applications
  - Algorithmics and Bioinformatics

Undergraduate Studies

2012–2015 **Bachelor of Computer Science**, *Faculty of Computer Science, University "Alexandru Ioan Cuza"*, Romania.

- Thesis: Factorization and DLP in a Subexponential Setting - Grade 9.87/10.
- Relevant Courses:
  - Rule-Based Programming
  - Special Chapters on Operating Systems
  - Web Technologies
  - Database Systems
  - Computer Networks

2014–2015 **Erasmus+ Student, courses of the cryptography research master M2R SCCI**, *Université Joseph Fourier*, France.

- GPA: 14.73/20.
- Relevant Courses:
  - Security Models: Protocols and Proofs
  - Symmetric and Asymmetric Cryptography; PKI architectures
  - Security of Computer Systems and Networks
  - Advanced Cryptography
  - New Trends in Cryptography: Biometry, Quantum and Pairings

Languages

Romanian	Native	
English	Fluent, C2	*TOEFL iBT: 111/120*
French	Intermediate, B2	

Honours and awards

Silver Medal at SEEMOUS 2014 (South Eastern European Mathematical Olympiad for University Students)

Honorable Mention at IMC 2014 (International Mathematical Competition for University Students)

Bronze Medal at NSOM 2014 (National Student Olympiad in Mathematics, Bulgaria)

6th place at "Traian Lalescu" National Mathematical Contest 2013

Second Prize at the inter-county mathematical contest "Academician Radu Miron" 2011

Scholarships

ENS de Cachan - INRIA Scholarship Programme 2015-2017.

Swiss-European Mobility Programme 2016.

Erasmus+ Grant 2014.

Faculty of Computer Science Scholarship 2012-2015.

Interests

Playing the piano, reading, basketball, tennis and long-distance running.

Other

2014, Bucharest - Participated in a cryptography summer school organized by Bristol University

2013 - I have been involved in a research project on improving Cocks IBE encryption scheme coordinated by professor F.L.Țiplea

Referees

Prof. Serge Vaudenay	Prof. F. L. Tiplea	Dr. Florin Iacob
EPFL - I&C - LASEC.	Dept. of Computer Science.	Dept. of Computer Science.
Lausanne, Switzerland.	"Al.I.Cuza" University of Iasi.	"Al.I.Cuza" University of Iasi.
serge.vaudenay@epfl.ch.	fltiplea@gmail.com	iacobflorin.fiis@gmail.com
+41 21 693 7696	+40 232 211081	