SERGEY GORBUNOV

SUMMARY AND OBJECTIVE

I am a PhD computer science student in my final year at MIT. I have deep knowledge and experience in designing and building cryptographic protocols for efficient access control over big data, verifiable computation and software obfuscation. I also have experience in computer networks, software security and distributed protocols. I have a strong vision and interest in engineering and building secure systems to address challenges of modern cloud-driven and mobile environments.

WORK EXPERIENCE

WORK EXPE	RIENCE			
Period Employer		Cambridge, USA		
ADVISOR	Research Assistant Vinod Vaikuntanathan PhD graduate level security research with fe	ocus on design of new		
	cryptographic algorithms for fine-grained	phic algorithms for fine-grained access to encrypted verifiable outsourcing computation and software ob-		
Period	September 2011 — December 2013			
	University of Toronto	Toronto, Canada		
TITLE				
Advisor	Vinod Vaikuntanathan			
	M.Sc. graduate level security research with new cryptographic algorithms for computing	on locus on design of		
Period	June 2013 — August 2013	ig on encrypted data.		
EMPLOYER	<u> </u>	ktown Heights, USA		
TITLE	Cryptography Research Intern	Roowii Heighios, Obri		
MENTOR	Shai Halevi			
	Designed new cryptographic primitives for software obfuscation and functionalities for computing on encrypted data.			
Period	ERIOD May 2011 — August 2011			
EMPLOYER	University of Toronto	Toronto, Canada		
TITLE	Software Developer			
	Designed and developed protocols for lar			
	computation and Software Defined Networ	·ks.		
Period	January 2011 — May 2011			
	University of Toronto	Toronto, Canada		
TITLE	Software Developer	roronto, Canada		
11120	Designed and engineered cloud-driven secubile devices, backed by strong encryption a			

Period May 2009 — August 2009

EMPLOYER IBM Markham, Canada

TITLE Software Developer

Developed, improved and maintained tools and infrastructures of DB2 reliability, availability, serviceability and problem determination.

EDUCATION

D	M 0015 (1)	
DATE	May 2015 (expected)	
Degree	PhD Computer Science	
University	MIT	Cambridge, USA

Date	September 2012	
	Master of Computer Science	
University	University of Toronto	Toronto, USA

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Date	September 2011	
	Honors Bachelor of Computer Science	
Rank	With High Distinction	
University	University of Toronto	Toronto, USA

SKILLS

Skills Linux, Mac OS, Windows

Computer Languages C/C++, Java, Python, Perl, Shell Scripting

Protocols
Databases

TCP/IP, DNS, DHCP, NAT, VPN, crypto protocols
IBM DB2, MySQL, PostgreSQL, Microsoft SQL

Tools Eclipse, MS Visual Studio, Blue J

PUBLICATIONS

Available for download: http://people.csail.mit.edu/sergeyg/

SELECTED HONORS

Microsoft PhD Fellow 2014

Alexander Graham PhD Bell Canada Graduate Scholarship (declined) Various Research and Excellence Awards