Burak SAHIN

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OBJECTIVE

Seeking Summer 2017 Intern or Full-Time opportunities to improve mobile and web applications security.

EDUCATION

Georgia Institute of Technology, College of Computing Atlanta, GA
Master of Science, Computer Science *8/2015-5/2017*
Cumulative GPA: 3.91/4.00, Graduate Research Assistant
TOBB University of Economics and Technology, Faculty of Engineering Ankara, TURKEY
Bachelor of Science in Engineering, Computer Engineering *9/2004-5/2009*
Cumulative GPA: 3.44/4.00, Full University Scholarship

PUBLICATIONS

- Akhilash Srikanth, Burak Sahin, William R. Harris. Complexity Verification Using Guided Theorem Enumeration. To appear in the proceedings of Principles of Programming Languages (POPL) 2017.

RESEARCH & TECHNICAL EXPERIENCE

Georgia Institute of Technology, College of Computing Atlanta, GA
Graduate Research Assistant *8/2015-Current*
- Studying on software and systems security
- Developing a tool to find resource exhaustion –memory, CPU usage etc– and potential DoS Attacks to Android library.
- Developed symbolic model checker to estimate computational complexity of Java and Android apps.
- Developed project to analyze information flow violations in Android Apps using Z3 theorem prover.

BiSoft Information Technologies Ankara, TURKEY
Software Team Leader *8/2012-3/2014*
- Led a 5-person group, assigned tasks, created project plans, analyzed requirements, and designed software architecture
- Developed project aimed to manage billion dollars agreements with local municipalities and international institutions like the World Bank and Japan International Cooperation Agent using Java, Struts Framework and Oracle
- Developed Private Security Services System and Document Management System using VB.NET, MS SQL Server

Fujitsu Technology Solutions Ankara, TURKEY
Configuration Manager *1/2011-8/2012*
- Developed project used by over 75,000 users per day using C# and .NET Framework
- Developed/improved processes between departments with CMMI consultants; evaluated risks and created reports

Oratech Technology Systems Ankara, TURKEY
Software Developer *12/2009-11/2010*
- Developed project which prevents phone smuggling using Java and Seam Framework and Oracle
- Developed DB and Network Management Tool using Java, Seam Framework, JMX and MySQL

Siemens Enterprise Communications Ankara, TURKEY
Part-Time Software Developer & Software Developer Intern *4/2008-8/2009*
- Worked in a team which developed HiPath IP Central used by Coca Cola and Ford etc.
- Developed test automation tool to improve test quality using Java and IBM Rational Functional Tester library
Software Developer Intern *1/2007-4/2007*
- Developed internal software to measure employee performance using Java, JSP, Apache Tomcat and XML

SKILLS

Programming Languages: Java, C#, VB.NET, C
Web Technologies: PHP, JavaScript, JSF, ASP.NET, PrimeFaces, JSP, CSS, HTML, XHTML, XML/XSLT
Frameworks: Java EE, .Net, JBOSS Seam, Apache Struts, ZK, CakePHP, CodeIgniter
DB Technologies: Oracle, MS SQL Server, MySQL, PL/SQL, T-SQL, Hibernate, NHibernate, Dataset
Applications: MATLAB, Eclipse, Visual Studio, IntelliJ IDEA, NetBeans, JBOSS AS, Apache Tomcat

CERTIFICATES & AWARDS

Nominated to be featured in the School of Computer Science Annual Report – *Georgia Tech*	10/2017
Full Graduate Study Scholarship – *The Republic of Turkey*	12/2013
ITIL Foundation Certificate in IT Service Management – *PEOPLECERT*	*2/2012*
Best Intern Award/Excellence in Coop Education – *TOBB University of Economics and Technology*	6/2007