Daniel Adam Mayer

CONTACT INFORMATION

Stevens Institute of Technology
Department of Computer Science
Castle Point on Hudson
Hoboken, NJ 07030

Mobile: upon request
E-Mail: mail@daniel-mayer.de
Web: www.daniel-mayer.de

EDUCATION

Stevens Institute of Technology, Hoboken, New Jersey
Ph.D. in Computer Science, focus: Security and Privacy, expected August 2012
- GPA: 4.0, thesis topic: *Design and Implementation of Efficient Privacy-Preserving and Fair Reconciliation Protocols.*

Rutgers, The State University of New Jersey, New Brunswick, New Jersey
M.S. in Physics with thesis, GPA: 4.0, October 2007

Julius-Maximilians-Universität Würzburg, Würzburg, Germany
Studies towards "Diplom", Physics, Computer Science, joint program with Rutgers, 2003 - 2006

RELEVANT EXPERIENCE

Stevens Institute of Technology, Hoboken, New Jersey, USA **2008 - to date**

Research Assistant
- Main Research Project: *Private and Fair Applications* (www.PreFairAppl.info).
- Supervise and direct undergraduate research assistants in their work.
- Organize weekly seminars for the Stevens Secure Systems Laboratory.
- Participate in outreach events to educate high-school teachers and students in cybersecurity.
- Relevant Coursework: Cryptography, Cryptographic Protocols, Cybersecurity Forensics, Advanced Algorithms, Trusted Computing, Concurrent Programming, Software Engineering.

Teaching Assistant
- Directed and evaluated students in their assignments for different courses.

Graduate Assistantship: System Administrator
- Responsible for a Solaris compute cluster used by clients from various departments.

Cybersecurity Competitions **2010 - to date**
- Northeast Collegiate Cyber Defense Competition 2012, 2010.
- *rwthCTF* Capture the Flag competition by RWTH Aachen University, Germany.

COUGA.net Mark Glahn, Fabian Huhn, Daniel Mayer GbR, Kassel, Germany
CTO, Assistant CEO, Founder - Internet Services Company **2001 - 2010**
- Designed and operated the entire IT infrastructure.
- Devised and implemented new products such as COUGA.net's virtual server brand.
- Achieved availability of more than 99.5% in a shared hosting environment.
- Developed complex and interactive web-applications.
- Modeled project plans based on discussions with customers. Addressed customers' concerns.

HONORS AND AWARDS

- Grant to attend ACM ASIACCS, 2012 and ACM CODASPY, 2011 conferences.
- Upsilon Pi Epsilon, Honor Society for the Computing and Information Disciplines, 2009.
- 10 months scholarship by the German Academic Exchange Service (DAAD), 2006.

RELEVANT SKILLS

- Excellent knowledge of network and Internet technologies such as TCP/IP, firewalls, services (e.g., DNS, HTTP, SMTP, IMAP, POP3, FTP, SQL), UNIX/Linux server administration.
- Proficient in C/C++, Python, SQL, PHP, HTML, LaTeX.
- Experience with web application security, vulnerability scanners, network traffic analysis.
- Experience in Java, Bash, XML, UML, Scheme, Mathematica.

LANGUAGES

Bilingual: Fluent in **English** and **German**. Basic **French**, **Romanian**, **Spanish**.

PUBLICATIONS

Mayer, D. A., Neugebauer, G., Meyer, U., Wetzel S., Enabling Fair and Privacy-Preserving Applications Using Reconciliation Protocols on Ordered Sets, 34th IEEE Sarnoff Symposium, 2011.

Mayer, D. A., Teubert, D., Meyer, U., Wetzel S., Implementation and Performance Evaluation of Privacy-Preserving Fair Reconciliation Protocols on Ordered Sets, ACM Conference on Data and Application Security and Privacy (CODASPY) 2011.

Mayer, D. A., Wetzel S., Verifiable Private Equality Test: Enabling Unbiased 2-party Reconciliation on Ordered Sets in the Malicious Model, ACM Symposium on Information, Computer and Communications Security (ASIACCS) 2012.

Mayer, D. A., Wetzel S., Distributed Performance Evaluation of Cryptographic Protocols. In preparation.