

SHAHAR RONEN

Boston, MA • shahar {underscore} ronon {at} hotmail {dot} com

EXPERIENCE

- 2010-present **HARVARD BUSINESS SCHOOL** Boston, MA
Programmer and Technologist, Research Computing Services
Advise faculty on state-of-the-art technologies and implement software for their research needs.
- Extract and analyze research data of various formats from various sources.
 - Evaluate research needs and recommend relevant technologies, approaches, and solutions.
 - Implement and customize technologies such as eye tracking, crowd sourcing, and mobile computing.
 - Develop platforms for experimental research.
 - Work directly with Harvard Business School faculty.
- 2006-2010 **IBM RESEARCH** Haifa, Israel
Research Staff Member and Software Developer, Storage Research
Researched, designed, implemented, and tested solutions for cloud storage and long-term digital preservation.
- Collaborated internationally with researchers and developers, also within European Union-funded project.
 - Prepared in a week software demo that won large deal with major customer.
 - Published open-source software packages on SourceForge and IBM alphaWorks.
 - Consulted and assessed long-term digital preservation readiness for a new IBM storage service.
- 2002-2005 **PHILIPS MEDICAL SYSTEMS** Haifa, Israel
Software Testing Developer
- Designed test scenarios and implemented automated tests for CAT scanners and workstations.
- Software Testing Team Leader, Mx8000IDT/Brilliance 16 CAT Scanner*
Managed a team of eight in charge of QA of the company's leading CAT scanner, a US\$1M product.
- Liaised between testing team and R&D department.
 - Coordinated and administered international beta-testing in hospitals.
 - Led a product improvement task force of R&D staff and hospitals' medical staff.
 - Reduced scanner software installation time by 30% through installation simplification.
- Software Tester, Mx8000IDT/Brilliance 16 CAT Scanner*
- Identified scanner issues and collaborated with cross-departmental teams to solve them.
 - Interfaced with customers remotely and on-site in the US and Europe.
- 1999-2002 **ISRAEL DEFENSE FORCES, ARTILLERY CORPS** Israel
Operations Center Commander and Staff Sergeant
- Commanded Fire Direction Center of artillery battalion and led a team of 10 in protective security operations.
 - Trained and mentored the battalion's non-commissioned officers.
 - Presided over logistic services for a unit of 20.

EDUCATION

- 2010 **GRE Score:** 800 quantitative, 630 verbal.
- 2007-2010 **UNIVERSITY OF HAIFA** Haifa, Israel
Candidate for a Master of Arts degree in Ancient History. Coursework completed, current GPA: 98/100.
Thesis title: *Effect of Political Changes on the Perception of the Goddess Venus in Late-Republican Rome.*
Worked full-time concurrently.
- 2004-2007 **UNIVERSITY OF HAIFA** Haifa, Israel
Bachelor of Science (double major) degree: Computer Science, *cum laude* (GPA: 91/100, 3rd in class) and Ofakim Interdisciplinary Honors Program, *summa cum laude* (GPA: 98/100, 1st in class). Honors thesis: *Analysis of Sulla's Motives for the Use of the Goddesses Aphrodite-Venus and Ma-Bellona in his Propaganda.*
Tutor at the Department of Computer Science; member of the debate team. Worked concurrently in 1st and 3rd years.

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SCHOLARSHIPS AND AWARDS

- 2009 Dean's Award for Top Graduate Student, Faculty of Humanities (sole recipient)
 - 2008-2009 Excellence Encouragement Scholarship for Graduate Studies, Dean of Graduate Studies (awarded twice)
 - 2008 Best Paper Award, awarded for undergraduate honors thesis, Israel Society for the Promotion of Classical Studies (sole recipient)
 - 2007 Uri M. Akavia Excellence Scholarship, Department of Computer Science
 - 2007 Top Student Award, Ofakim Honors Program (sole recipient)
 - 2007 Dean's List of Outstanding Students, Faculty of Humanities
 - 2004- 2006 Full Tuition Scholarship, Ofakim Honors Program (awarded 3 times)
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PUBLICATIONS

Peer-reviewed Conference Papers

1. D. Harnik, E. K. Kolodner, **S. Ronen**, J. Satran, A. Shulman-Peleg, and S. Tal. "Secure Access Mechanism for Cloud Storage". *IEEE 26th Convention of Electrical and Electronics Engineers in Israel*. Eilat, Israel, November 17-20, 2010.
2. **S. Ronen**. "The Story behind Venus's Behind: Octavian and the Change in the Iconographic Representation of the Victorious Venus after the Battle of Actium". Presented at the *39th Conference of the Israel Society for the Promotion of Classical Studies*. Haifa, Israel, June 9-10, 2010.
3. M. Factor, E. Henis, D. Naor, S. Rabinovici-Cohen, P. Reshef, **S. Ronen**, G. Michetti, and M. Guercio. "Authenticity and Provenance in Long Term Digital Preservation: Modeling and Implementation in Preservation Aware Storage". *USENIX 1st Workshop on the Theory and Practice of Provenance (TaPP)*. San Francisco, USA, February 23, 2009.

Peer-reviewed Journal Articles

4. M. Dunckley, **S. Ronen**, E. Henis, S. Rabinovici-Cohen, P. Reshef, D. Giaretta, and E. Conway. "Using XFDU for CASPAR Information Packaging". *OCLC Systems & Services: International Digital Library Perspectives* 26 (2), 2010.
5. S. Rabinovici-Cohen, M. Factor, D. Naor, L. Ramati, P. Reshef, **S. Ronen**, J. Satran, and D. Giaretta. "Preservation DataStores: New storage paradigm for preservation environments". *IBM Journal of Research and Development* 52 (4/5), 2008.

Book Chapters

6. E. Henis, S. Rabinovici-Cohen, P. Reshef, and **S. Ronen**. "Preservation DataStores". In D. Giaretta (ed.). *Advanced Digital Preservation*. Springer, 2011 (forthcoming).
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PATENTS PENDING

US patent application no. 12/251842. S. Rabinovici-Cohen, P. Reshef, D. Naor, L. Ramati, and **S. Ronen**. "Preservation Aware Fixity in Digital Preservation", filed October 15, 2008.

US patent application no. 12/485071. E. Henis, S. Rabinovici-Cohen, and **S. Ronen**. "Preservation of Digital Content", filed June 16, 2009.

PROGRAMMING LANGUAGES AND ENVIRONMENTS

Expert in Java under Eclipse/RAD. Proficient in C, C++, C#, JavaScript, Python, SQL, XML, NUNIT, Rational ClearCase and ClearQuest, CVS and SVN, WebSphere Application Server, VMware, Windows and Linux.

EXTRA CURRICULAR ACTIVITIES AND INTERESTS

Member of the University of Haifa Debating Society (2004-2009): Three-time participant at the European Universities Debating Championships (2005-2007); winner of major debating tournaments in Israel; debating instructor at high schools.

Interests Running, international travel, linguistics, history, and classics

Languages Hebrew and English (fluent); French and Latin (intermediate reading); Ancient Greek (basic reading).