Justin R. Erenkrantz

justin@erenkrantz.com

Education:

September, 2002 - *present*	University of California, Irvine
	Information and Computer Science. PhD.
	Department of Informatics, Software Research Group
September, 1998 - March, 2002	University of California, Irvine
Cum Laude	Information and Computer Science. B.S.

Ongoing research emphases:

- Creating an architectural style for decentralized applications, with a trust-centric perspective. (**PACE**)

- Supporting the power generation and distribution domain via decentralized software architectures. (**APEP**)

- Supporting a common operational picture of a modern battlefield via dynamic software architectures. (**COP**)

- Supporting efficient deployment of Web Services via adoption of REST.

- Supporting decentralized development projects by learning from open-source projects.

Prior research emphases:

- Supporting hierarchical events in a scalable event service. (**Siena-XML**)

Publications:

Girish Suryanarayana, Justin R. Erenkrantz, Scott A. Hendrickson, Richard N. Taylor. "PACE: An Architectural Style for Trust Management in Decentralized Applications", Institute for Software Research, University of California, Irvine, Technical Report UCI-ISR-03-9, October 2003.

Justin R. Erenkrantz, Richard N. Taylor. "Supporting Distributed and Decentralized Projects: Drawing Lessons from the Open Source Community", Proceedings of the 1st Workshop on Open Source in an Industrial Context, Anaheim, California, October, 2003.

Justin Erenkrantz, "Fly High with the Feather: Extend the Apache HTTPD 2.0 server with filters", Linux Magazine, August, 2003.

Justin R. Erenkrantz, "Release Management Within Open Source Projects", Proceedings of the 3rd Workshop on Open Source Software Engineering, Portland, Oregon, May 2003.

T.J. Halloran, William L. Scherlis, Justin R. Erenkrantz. "Beyond Code: Content Management and the Open Source Development Portal", Proceedings of the 3rd Workshop on Open Source Software Engineering, Portland, Oregon, May 2003.

Justin R. Erenkrantz, "Handling Hierarchical Events In An Internet-Scale Event Service", ICS Honors Thesis, University of California, Irvine, March 2001.

Industry Experience:

eBuilt - Irvine, California	*April 2000 - March 2002*
Junior Software Engineer	April 2000 - March 2002

Designed and implemented a profile-based load tester. Designed and implemented a mailbox archive module for Apache 2.0. Contributed enhancements and fixes to Apache httpd-2.0 and APR projects. Designed and implemented an Apache-based ICAP server. Designed and implemented a JNDI toolset. Designed and implemented servlets to facilitate LDAP, SMTP, and IMAP transactions in XML. Designed, implemented, and deployed a corporate LDAP-based mail system.

Ingram Micro - Santa Ana, California	*July 1998 - September 1999*
Seasonal Associate	June 1999 - September 1999

Returned to the ESolutions department as a Java developer. Assisted in the design and development of an EJB that retrieved product and availability data via CICS. Assisted in the design of EJB components for database connection pooling.

Summer Intern	July 1998 - September 1998

Assigned to both server and client teams in Ingram Micro's electronic commerce division. Designed and implemented a web server monitor using VB, SQL, and ASP. Analysis tool requirements included distributed analysis, web-based status reports, and dynamic scheduling.

Renaissance Engineering - Dayton, Ohio   *July, 1996 - May, 1998*
C++ Programmer   October, 1997 - May, 1998
Designed and implemented an ODBC driver that interfaced with a custom data warehouse. Designed and implemented
C++ / CORBA server and client code to handle SQL passthrough. Designed and implemented a C++ SQL parser.

Honors:

Member, Phi Beta Kappa Society   Member, Golden Key National Honor Society
UC Irvine Outstanding Service by an Undergraduate   UC Irvine Campuswide Honors Program
Julian Feldman Scholarship Recipient   Dan and Jean Aldrich Scholarship Nominee
Member, National Honor Society

Associations and Activities:

Member, Association for Computing Machinery (*1998-*)   Member, Apache Software Foundation
Vice-President, ACM, UC Irvine student chapter (*2000-   Contestant, ACM Programming Contest, UC Irvine student
2001*)   chapter (*1998-2000*)
Member, Undergraduate Computing Facility (*1998-2002*)