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INTERESTS **Distributed Systems:** Distributed Stream Processing Systems, Middleware, Peer-to-Peer Systems, Mobile and Ubiquitous Computing, Distributed Shared Memory Systems, Cluster and Grid Computing.

EDUCATION ◇ **Ph.D. in Computer Science**
University of California, Riverside, Advisor: Prof. Vana Kalogeraki, August 2008
Thesis: *Synergy: Quality of Service Support for Distributed Stream Processing Systems*

◇ **M.Sc. in Computer Science**
University of California, Riverside, August 2005
Thesis: *Adaptive Data Dissemination and Content-Driven Routing in Peer-to-Peer Systems*

◇ **Diploma in Electrical & Computer Engineering** (5-year program)
University of Patras, Greece, March 2003
Thesis: *Implementation of Page Forwarding on Clusters*

PROFESSIONAL EXPERIENCE ◇ **Akamai Technologies**, Cambridge, MA, October 2008–Present
Senior Performance Engineer

◇ **University of California, Riverside**, Distributed Real-Time Systems Laboratory
Designed, implemented using Java and C++, and evaluated distributed protocols for sharing-aware component composition, load prediction and hot-spot alleviation, management of large-scale distributed real-time applications, and data dissemination in peer-to-peer systems. Lead the development of the Synergy distributed stream processing middleware; supervised other student research projects now using the platform.

◇ **IBM Research**, T.J. Watson Research Center, Hawthorne, NY, Summer 2007
As a member of the advanced enterprise middleware group, designed, implemented in Java, evaluated, and documented a replication middleware for distributed, multi-tier, server architectures. Prepared a patent for the middleware's efficient, distributed strong consistency protocol. Quantified the server replication and data partitioning performance benefits, as well as the consistency overhead, using the TPC-W transactional web commerce benchmark.

◇ **Intel Research**, Pittsburgh, PA, Summer 2006
As a member of the research team of the reliable email project, designed, implemented in C++, and documented an event-driven software prototype of a collaborative spam filter that employs a distributed protocol to defend against sybil attacks.

◇ **Hewlett-Packard**, Enterprise Storage & Servers, Colorado Springs, CO, Summer 2005
As a member of the replication team of an upcoming product of HP's grid storage portfolio, designed, implemented in C++, and documented a logging mechanism used for asynchronous replication in a distributed disk array.

◇ **University of Patras, Greece**, High Performance Information Systems Laboratory
Designed and implemented in C a protocol for dynamic memory page migration across the nodes of a Software Distributed Shared Memory System, as part of an inter-departmental diploma thesis. Dynamic page migration improves performance by increasing locality and adaptability, while remaining transparent to the application programmer.

◇ **FGAN e.V.**, Bonn, Germany, Summer 2000
Analyzed the H.323 protocol family, used for multimedia applications (VoIP) in packet switched networks, and summarized the results in a technical report, including detailed protocol description and performance evaluation of applications under IPv6 in Solaris.