

JUSTIN MEZA
justin.meza@ucla.edu

- OBJECTIVE** To obtain a summer position in order to gain experience in the field of Computer Science.
- EDUCATION** **University of California at Los Angeles**
Pursuing B.S. in Computer Science
Graduating in Spring 2010
- Coursework completed March 2009:** Differential and Integral Calculus (2 courses); Calculus and Analytic Geometry; Introduction to Computer Science I and II; Introduction to Computer Organization; Physics Mechanics; Engineering Disciplines; Multivariable Differential and Integral Calculus (2 courses); Linear Algebra; Differential Calculus; Physics Oscillations and Magnetism; Digital Logic and Circuit Design; Electromagnetism; Modern Physics; Operating Systems Principles; Applied Numerical Computing; Differential Equations; Programming Languages; Computer Networking; Discrete Structures; Computer Systems Architecture; Algorithms and Complexity; Formal Languages and Automata; Introduction to Computer Graphics; Parallel and Distributed Computing; Database Systems; Compiler Construction; Computer Animation.
- EXPERIENCE** **Hewlett-Packard Laboratories, Palo Alto, CA** **Summer 2006–Present**
- Collaborated with teams at Microsoft to measure datacenter component power consumption. Fostered a professional relationship across industry boundaries.
 - Measured the energy-efficiency of several low-power devices using a proposed metric for evaluating efficiency, JouleSort, to gain insight into technology trends.
 - Explored the novel usage of flash-based memory in low-power, portable devices and proposed architectural changes to current interfaces to enable quicker access through I/O controllers.
 - Proposed and developed a novel way of viewing technical report data, later adopted by the HP Labs Library as an enterprise service.
- SPECIAL SKILLS** **General Computing:** Microsoft Office, Microsoft Windows, Linux, Unix, Macintosh OS X, HP-UX, Sun Microsystems's Solaris OS, MySQL, x86 and ARM platforms.
Programming Languages: C, C++, C#, Java, ML, Prolog, Visual Basic, SQL, Perl, OpenMP, MPI, shell scripting, HTML, ASP, and PHP.
- ACTIVITIES**
- “Knowledge Organization with Mashups: A Mashup Experiment in an Enterprise Environment”, *Advances in Knowledge Management series, Ubiquitous Developments in Knowledge Management: Integrations and Trends*, 2009.
 - “Energy Efficiency: The New Holy Grail of Data Management Systems Research”, Proceedings of the 2009 Conference on Innovative Data Systems.
 - “Mix, Match, Rediscover: A Mashup Experiment of Knowledge Organization in an Enterprise Environment”, *International Journal of Knowledge Management*, Volume 4, 2008.
 - “Models and Metrics to Enable Energy-Efficiency Optimizations”, *IEEE Computer* (cover feature), Volume 40, Issue 12, 2007.
- AWARDS**
- GEM Fellowship Scholar, 2009-2011.
 - Hewlett-Packard Scholar, 2005-2010. (Hewlett-Packard Scholar Leader, 2007-2009)
 - Robert C. Byrd Scholar, 2005-2010.
- PROFESSIONAL ORGANIZATIONS** Association for Computing Machinery.
Society of Latino Engineers and Scientists.
Center for Excellence in Engineering and Diversity.
- REFERENCES** Available upon request.