Jacob Liberman

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Austin, TX

Summary

I am a software engineer with a background in performance engineering, data analysis, and Linux systems administration.

Experience

Principal Software Engineer, Cloud Computing
Red Hat, *January 2012 – Present*

- My current work focuses on developing, testing, and publishing cloud computing reference architectures based on Red Hat OpenStack Platform.

Rugby 7s Head Coach
University of Texas at Austin, *August 2010 – July 2015*

- Founder and coach of University of Texas Rugby 7s team. Ranked #20 2011, #13 2012, #12 2013 out of more than 500 college rugby programs.

Performance analyst
Philippine Rugby Football Union, *June 2013 – August 2013*

- National team performance analyst during the 2013 Rugby 7s World Cup in Moscow, Russia. Video capture, coding, statistical analysis, and scouting.

Performance Engineer, Scientific and Cloud Computing
Advanced Micro Devices, *November 2009 – January 2012*

- Designed and conducted server performance studies for competitive analysis. Helped customers improve the performance of their codes on our systems. Managed lab clusters for remote customer evaluation and traveled to customer sites to conduct benchmarks for acceptance testing.

Development Engineer, Scientific Computing
Dell, *August 2006 – November 2009*

- Lead performance engineer. Conducted server performance studies using standard benchmarks and applications. Shared results via publications and presentations. Evaluated storage, networking, and software technologies for inclusion in our product.

Curriculum Designer/Subject Matter Expert
Dell, *February 2005 – August 2006*

- Developed classroom and online technical curriculum for the field consulting team. High Performance Computing (HPC) subject matter expert.

Services Consulting Engineer
Dell, *April 1999 – February 2005*

- Remote field services and support engineer. I helped customers deploy and troubleshoot EMC storage arrays and connect servers running Linux or UNIX to them.

Education

Coursera
Certificate, Johns Hopkins Data Science Specialization (in progress)
- Completed 6 of 10 required courses

Texas State University
Master's Program, Computer Science
- Completed > 30 hours of upper division computer science course work with a 3.8 GPA

The University of Texas at Austin
Master's Degree, Technology in Education
- 4.0 overall GPA including course work in educational psychology, statistics, learning theory, and scientific computing.

University of Wisconsin-Madison
Bachelor's Degree, English Literature
- Creative writing emphasis

Volunteer Service

Member, Good Judgment Team
Good Judgment Project, *August 2014 - Present*

I predict global events in a government sponsored forecasting tournament.

Football coach / tackle specialist
Trojans Pop Warner, *August 2015 – Present*

I coach American football and teach rugby tackling techniques to all age groups (5-12) to promote safe and effective tackling.

Membership chair — Texas Rugby Alumni Network
Texas Exes, *May 2015 - Present*

Board member of the Texas Rugby Alumni Association, an official chapter of the Texas Exes. We organize alumni events and manage an endowed scholarship fund.

Skills

Linux, OpenStack, R, Python, Bash scripting, Hadoop, inferential and exploratory statistics, technical writing, server performance analysis and benchmarking, human performance analysis, teaching, and coaching.

Selected Publications, Example Code

https://github.com/jliberma