

CHAD WOOD

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EDUCATION

University of Oregon, Eugene, OR

Master of Science, Computer and Information Science, December 2018

Continued enrollment, actively pursuing a PhD in Computer and Information Science

Texas Christian University (TCU), Fort Worth, TX

Bachelor of Arts, Philosophy (Minor: Computer Science), May 2014

Computer Science Department TA for five sections across three semesters. Accepted to Chancellor's Leadership Program, Kathryn McDorman Honors Scholar, Dean's Scholarship, Wetzler Award for Outstanding Achievement in Philosophy.

SKILLS

Programming/Scripting Languages: (Proficient) C, C++, Python, SQL; (Familiar) Scala, Go, Perl, Ruby

EXPERIENCE

On-Site Graduate Research Internships

Lawrence Livermore National Laboratory, Livermore, CA, 2017 – 2018

Integrated online monitoring infrastructure with in situ visualization pipeline for understanding of complex scientific workflow performance data via projection over simulation geometry at runtime.

Lawrence Livermore National Laboratory, Livermore, CA, 2016

Assisted with design and development of semantic annotation and query framework to enable deep learning on performance data, recursively derived from sources with independent units and epochs.

Military Service

United States Army, Fort Lewis, WA, 2005 – 2010

Promoted to Non-Commissioned Officer rank of Sergeant in Delta Co 2/75 Ranger Regiment. Engaged in three deployments to combat in support of Operation Iraqi Freedom, participating in hundreds of airborne, helicopter, and ground assault missions. Awards: Army Commendation Medal (2nd Award), Army Achievement Medal (2nd Award), Army Good Conduct Medal, National Defense Service Medal, Global War on Terrorism Service Medal, Iraq Campaign Medal w/Campaign Star, Army Service Ribbon, Parachutist Badge, Combat Infantryman Badge, Expert Infantryman Badge, Honorable Discharge from Armed Forces of the United States.

Developer

All-Med Services, Inc.; Miami, FL, 2004 – 2005

VP of Technology and lead developer of integrated operations, billing, auditing and compliance software, Responsibilities extended beyond programming with advisory role in the enforcement of federal and state requirements and a compliance with many unique managed care contracts.

Omni Medical Management Systems, Inc.; Richmond, VA, 2003 – 2004

Programmer and support technician developing medical equipment provider management software covering areas of patient intake; clinical assessment; billing and receivables including electronic claims files; warehouse and delivery inventory management; ANSI, JCAHO, and HIPPA compliance.

Move-N Software; Bedford, TX, 2000 – 2003

Programmer and support technician developing custom software for the management of assisted living, long-term care, and hospice care facilities. Software featured detailed operating reports, accounts receivable invoicing, clinical staff management tools, and sales lead tracking.

PROJECTS

Apollo

Lawrence Livermore National Laboratory/University of Oregon, 2017 – Present

Online in situ machine learning enhancement to the RAJA performance portability framework.

Scalable Observation System

University of Oregon, 2015 – Present

Online (in situ) observation, introspection, feedback, and analysis service.