

ALOK HOTA

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EDUCATION

PhD in Computer Science , University of Tennessee, 3.92 GPA Focus on Large Data Visualization–scalable software platforms to support interactive visualization of complex spatio-temporal datasets.	2014–present
MS in Computer Science , University of Tennessee	2017
BE in Computer Engineering , Vanderbilt University	2011–2013
BS in Computer Science , University of Tennessee	2008–2011

PUBLICATIONS

- Mohammad Raji, **Alok Hota**, Jian Huang, “Scalable Web-Embedded Volume Rendering”, LDAV 2017. (equal contribution with Mohammad Raji)
- Alok Hota**, Mohammad Raji, Tanner Hobson, Jian Huang, “A Space-Efficient Method for Ensemble Analysis and Visualization”, EGPGV 2017.
- Mohammad Raji, **Alok Hota**, Robert Sisneros, Jian Huang, “Photo-Guided Exploration of Volume Data Features”, EGPGV 2017.

EXPERIENCE

Sandia National Laboratories <i>Graduate Student Intern</i> <ul style="list-style-type: none">· Integration of vectorization method in VTK-m· Testing various worklet, loop tiling, and platform configurations for optimal auto-vectorization	Summer 2017 Albuquerque, NM
Sandia National Laboratories <i>Graduate Student Intern</i> <ul style="list-style-type: none">· Development of a method for general-case vectorization in VTK-m for x86 CPUs	Summer 2016 Albuquerque, NM
Intel Parallel Computing Center at Joint Institute for Computational Science <i>Graduate Research Assistant</i> <ul style="list-style-type: none">· Integration and support of OSPRay ray tracing rendering engine into the VisIt visualization application	Fall 2014–present Knoxville, TN
Advanced Computing Center for Research and Education <i>Professional Programmer</i> <ul style="list-style-type: none">· Developed live depot activity monitor for storage depots· Expanded in-house message queue system for parallel job distribution	June 2013–July 2014 Nashville, TN
Institute for Software Integrated Systems <i>Undergraduate Student Researcher</i>	February 2012–May 2013 Nashville, TN
National Oceanic and Atmospheric Administration <i>Undergraduate Student Intern</i>	Summer 2011 Silver Spring, MD
Fisk University <i>Undergraduate Student Researcher</i>	2009–2011 Nashville, TN

SKILLS

Fluent with	Python, C/C++, Java, Bash
Knowledgeable with	VisIt, ParaView, VTK, VTK-m, CUDA

SCHOLARSHIPS AND AWARDS

University of Tennessee Athletic Department Graduate Student Award	2014–present
Dean’s List, Vanderbilt University	2011, 2012
Summa cum Laude, Fisk University	2011
Provost’s List, Fisk University	2008–2011