





ALOK HOTA

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EDUCATION

PhD in Computer Science , University of Tennessee Dissertation title: <i>VaaS: Visualization as a Service</i> To be conferred May 2019	2014–2018
MS in Computer Science , University of Tennessee	2017
BE in Computer Engineering , Vanderbilt University	2011–2013
BS in Computer Science , Fisk University	2008–2011

PUBLICATIONS

- Mohammad Raji, **Alok Hota**, Tanner Hobson, Jian Huang, “Scientific Visualization as a Microservice”, IEEE TVCG Nov 2018. 
- Mohammad Raji, **Alok Hota**, Jian Huang, “Scalable Web-Embedded Volume Rendering”, Lдав 2017. (equal contribution with Mohammad Raji) *Best Paper Award at Lдав 2017*. 
- 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

Intel Corporation <i>Graphics Software Engineer</i> · Maintainer for OpenSWR , a high performance open-source software rasterizer integrated in Mesa	May 2018–present Austin, TX
Sandia National Laboratories <i>Graduate Student Intern</i> · Development, integration, and testing of auto-vectorization method in VTK-m for x86 platforms	Summer 2016, Summer 2017 Albuquerque, NM
Intel Parallel Computing Center at Joint Institute for Computational Science <i>Graduate Research Assistant</i> · Integration 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> · Developed live depot activity monitor and expanded in-house message queue system	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	Git, Docker, 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