

Mohammad Raji

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EDUCATION

2014-Present	PhD in Computer Science, University of Tennessee, Knoxville, TN Focus: Scalable architectures for large data visualization GPA: 3.93/4.0
2017	MSc in Computer Science, University of Tennessee, Knoxville, TN GPA: 3.92/4.0
2012-2014	MSc in Computer Engineering, Razi University GPA: 3.45/4.0 (1 st rank)
2008-2012	BSc in Computer Engineering, Razi University GPA: 3.24/4.0 (3 rd rank)

WORK EXPERIENCE

2014-PRESENT	Graduate Research Assistant, University of Tennessee, Knoxville, TN <ul style="list-style-type: none">Developed a scalable web-based volume rendering system for wide-audience usage.Developed a summarization technique for large ensemble datasets.Developed a novel spatial comparison system for GIS data using MapReduce.Developed a visual analysis system for hierarchical time-series data.Developed a web-based technique for interacting with compressed 3D visualizations.Contributed to a compression technique for volumetric visualization.
SUMMER 2016	Research Intern, National Center for Supercomputing Applications, Urbana, IL <ul style="list-style-type: none">Developed an automatic visual search technique using Deep Neural Networks for volumetric data.Developed a temporal analysis system for analyzing volumetric datasets.Contributed to a colormap correction algorithm.
SUMMER 2015	Software Developer Intern, Survature Inc., Knoxville, TN <ul style="list-style-type: none">Advanced user interface components for Survature's survey platform.
2013-2014	Remote Web Developer, Creative Investment Technologies, Berkshire, UK <ul style="list-style-type: none">Developed an Email parser and dispatcher to automate the processing of feedback loop emails for all company products and save back on time of employees.Developed responsive web pages and email templates.
2014-PRESENT	Graduate Teacher Assistant, University of Tennessee, Knoxville, TN <ul style="list-style-type: none">Assisted students in the courses of Databases, Computer Graphics, System Programming and Programming Languages.

LEADERSHIPS & EXTRACURRICULAR ACTIVITIES

2011-2012	President, Computer Science Society of Razi University <ul style="list-style-type: none">Coordinated educational events, programming classes and programming contests.
2010-2014	Co-Founder, Ferferreh, Iran <ul style="list-style-type: none">Co-founded Ferferreh, a non-profit organization, with the mission of promoting and popularizing open-source software as well as the software copyright law in Iran.

SKILLS

Fluent in: Python, C/C++, Javascript, Java
Knowledgeable in: Spark, Docker, MPI, CUDA, TensorFlow, WebGL, D3.js, MySQL, Bash, Git, SVN, VisIt