

Subhashis Hazarika

CONTACT INFORMATION	3707 Gold St, Apt 3 Los Alamos, New Mexico 87544 USA	Phone: +1-614-462-9957 Email: hsubhashis@gmail.com Website: subhashis.github.io
RESEARCH INTERESTS	Large-Scale Data Visualization, Statistical Data Modeling, Machine Learning, Visual Analytics.	
EDUCATION	The Ohio State University , Columbus, Ohio, USA Ph.D. Candidate, Computer Science and Engineering <ul style="list-style-type: none">• Major: <i>Computer Graphics</i>• Minors: <i>Artificial Intelligence, High Performance Computing.</i>• Advisor: Dr. Han-Wei Shen	Degree Date: 12/15/2019
	The Ohio State University , Columbus, Ohio, USA M.S., Computer Science and Engineering <ul style="list-style-type: none">• CGPA: 3.818/4.00	Degree Date: 05/05/2019
	National Institute of Technology , Durgapur, WB, India B.Tech., Computer Science and Engineering <ul style="list-style-type: none">• CGPA: 9.12/10.00	Degree Date: 09/24/2011
PROFESSIONAL EXPERIENCE	Los Alamos National Laboratory , Los Alamos, New Mexico, USA Postdoctoral Research Associate (Data Science at Scale, CCS-7)	Jan, 2020 - present
	Gravity Research Lab, The Ohio State University , Columbus, Ohio, USA Graduate Research Associate	May, 2016 - Dec, 2019
	Los Alamos National Laboratory , Los Alamos, New Mexico, USA Graduate Research Intern (Data Science at Scale, CCS-7)	May, 2019 - August, 2019
	Los Alamos National Laboratory , Los Alamos, New Mexico, USA Graduate Research Intern (Programming Models Team, CCS-7)	May, 2017 - July, 2017
	Novell Software Development (India) Pvt. Ltd. , Bangalore, Karnataka, India Senior Software Engineer	June, 2011 - May, 2013
	European Organization for Nuclear Research, CERN , Geneva, Switzerland Summer Intern Student	May, 2010 - August, 2010
TEACHING EXPERIENCE	Department of Computer Science, OSU , Columbus, OH, USA Graduate Teaching Instructor CSE1222:Introduction to Computer Programming in C++.	August, 2014 - April, 2016

PEER-REVIEWED
PUBLICATIONS

Subhashis Hazarika, Haoyu Li, Ko-Chih Wang, Han-Wei Shen, Ching-Shan Chou: “*NNVA: Neural Network Assisted Visual Analysis of Yeast Cell Polarization Simulation*”, IEEE Transactions on Visualization and Computer Graphics, 26 (1), 34-44 (2020). [**Best Paper Honorable Mention at IEEE Vis 2019**].

Piyush Chawla, **Subhashis Hazarika**, Han-Wei Shen: “*Token-wise sentiment decomposition for ConvNet: Visualizing a sentiment classifier*”, Visual Informatics, Elsevier 2468-502X (2020).

Subhashis Hazarika, Soumya Dutta, Han-Wei Shen, Jen-Ping Chen: “*CoDDA: A Flexible Copula-based Distribution Driven Analysis Framework for Large-Scale Multivariate Datasets*”, IEEE Transactions on Visualization and Computer Graphics, 25(1): 1214-1224 (2019).

Junpeng Wang, **Subhashis Hazarika**, Cheng Li, Han-Wei Shen: “*Visualization and Visual Analysis of Ensemble Data: A Survey*”, IEEE Transactions on Visualization and Computer Graphics, 25(9): 2853-2872 (2019).

Qun Liu, **Subhashis Hazarika**, John M Patchett, James Paul Ahrens, Ayan Biswas: “*Deep Learning-Based Feature-Aware Data Modeling for Complex Physics Simulations*”, International Conference for High Performance Computing, Networking, Storage, and Analysis (SC 2019).

Subhashis Hazarika, Ayan Biswas, Han-Wei Shen: “*Uncertainty Visualization Using Copula-Based Analysis in Mixed Distribution Models*”, IEEE Transactions on Visualization and Computer Graphics, 24(1): 934-943 (2018).

Subhashis Hazarika, Ayan Biswas, Soumya Dutta, Han-Wei Shen: “*Information Guided Exploration of Scalar Values and Isocontours in Ensemble Datasets*”, Entropy 2018, 20(7), 540. (Special Issue Information Theory Application in Visualization).

Subhashis Hazarika, Soumya Dutta, Han-Wei Shen: “*Visualizing the Variations of Ensemble of Isosurfaces*”, IEEE Pacific Visualization Symposium (PacificVis), 2016, 209-213.

Subhashis Hazarika, Tzu-Hsuan Wei, Rajaditya Mukherjee, Alexandru Barbur: “*Visualizing the life and anatomy of dark matter*”, IEEE Scientific Visualization Conference (SciVis), 2015, 101-106.

Sanjib Sadhu, **Subhashis Hazarika**, Kapil Jain, Saurav Basu, Tanmay De: “*GRP-CH Heuristic for Generating Random Simple Polygon*”, 23rd International Workshop on Combinatorial Algorithms 2012: Page 293-302, Springer LNCS Volume.

HONORS AND
AWARDS

- Best Paper Honorable Mention Award at IEEE Vis (VAST) 2019.
- O'Donnell Graduate Fellowship for Ph.D, 2013.
- Summer Student at CERN, Geneva, 2010.

TECHNICAL SKILLS

- Programming Language: C/C++, Python.
- Web Technology: HTML, JavaScript, D3.js.
- Graphics Programming: OpenGL, GLSL.
- ML tools: Keras, Tensorflow, PyTorch, SciKit-learn.