

ALPER T. SARIKAYA

CONTACT INFORMATION	UW Graphics Group Department of Computer Sciences, 1210 W. Dayton St. University of Wisconsin-Madison, Madison, WI 53706, USA	mobile: <i>removed for online copy</i> e-mail: sarikaya@cs.wisc.edu web: http://cs.wisc.edu/~sarikaya/
RESEARCH INTERESTS	Data visualization, theory and implementation of large data summaries and encodings, human-centered data science, machine learning and scientific visualization for model comprehensibility.	
EDUCATION	University of Wisconsin—Madison , Madison, Wisconsin, USA <i>Doctor of Philosophy, Computer Sciences</i> (expected early 2017) August 2011 – present <ul style="list-style-type: none">• Area of concentration: Data visualization (visual summaries, prescriptive design from description)• Advisor: Professor Michael Gleicher <i>Master of Science, Computer Sciences</i> August 2011 – May 2013 University of Washington , Seattle, Washington, USA <i>Bachelor of Science, Computer Science & Chemistry (Honors)</i> September 2004 – June 2009	
HONORS AND AWARDS	Best Poster Award, IEEE Scientific Visualization Conference, 2013 UW Department of Computer Sciences Summer Research Fellowship, 2012 NSF Graduate Research Fellowship Program, Honorable Mention, 2012	
SELECTED PUBLICATIONS	A. Sarikaya, et al. “Visualizing Co-occurrence of Events in Populations of Viral Genome Sequences,” <i>Computer Graphics Forum</i> (Proc. EuroVis ‘16), 35(3): 151–160, 2016. A. Sarikaya, D. Albers, J. C. Mitchell, and M. Gleicher, “Visualizing Validation of Protein Surface Classifiers,” <i>Computer Graphics Forum</i> (Proc. EuroVis ‘14), 33(3): 171–180, 2014.	
RESEARCH EXPERIENCE	UW Graphics Laboratory , Madison, Wisconsin, USA http://graphics.cs.wisc.edu/ September 2011 – present <p>Developed a visualization solution (D3.js) to view the performance of protein classifiers that characterize binding activity, supporting comprehensibility and visualization of machine learning methods.</p> <p>Used Amazon’s Mechanical Turk to run user-perceptual studies of graph encodings, and worked on incorporating on-demand WebGL technologies into the lab’s repertoire. Currently curating a framework for scatterplot design and generating descriptive knowledge of built visual summaries.</p> Microsoft Research , Redmond, Washington, USA (mentor: Danyel Fisher) http://research.microsoft.com/en-us/groups/vibe May 2015 – August 2015 <p>Developed methods for preprocessing data to focus downstream sequential analysis of log file data.</p>	
PROFESSIONAL EXPERIENCE	Microsoft Corporation , Redmond, Washington, USA <i>Software Development Engineer in Test II</i> September 2009 – August 2011 <p>Ensured the stability of the business intelligence component of Windows crash reports; maintained and tested code that processed billions of messages daily; overlooked multi-terabyte databases. Validated the performance and stability of telemetric data marts for Windows 8.</p>	
ACADEMIC EXPERIENCE	University of Wisconsin—Madison , Madison, Wisconsin, USA <i>Teaching Assistant</i> January 2015 – May 2015 <p>Assisted with Data Visualization (CS 638/838), curating assignments and providing guidance to students (mix of undergraduates and graduate students). Provided tutorials about Tableau Desktop for mock-up use. Maintained class discussions (over 6,000 messages) about readings and assignments.</p>	
PROGRAMMING AND SKILLS	JavaScript, WebGL, C#, C++, OpenGL, Java, Python, PHP, TypeScript, (t-)SQL. D3.js, Leaflet.js, Visual Studio, Tableau Desktop, Adobe Photoshop & Illustrator	
REFERENCES	Available on request.	
EXTRAS	Much more detail of projects and a full CV available online: http://cs.wisc.edu/~sarikaya	