

Education

- PhD and MS in Computer Science**, *University of California, Santa Barbara* 2012
- Areas: Data Visualization, UI/UX, Web, HCI, Recommender Systems, AI
 - GPA: 3.92
- Graduate Program in Technology Management**, *University of California, Santa Barbara* 2011
- GPA: 3.97
- BS in Computer Science & Mathematics**, *Franklin & Marshall College, PA* 2006
- GPA: 3.92 (top 1%, *summa cum laude*)
- Awards**
- PACISE Programming Contest – third award 2006
 - Winner of the National Mathematics Contest of Bulgaria (three times) 1996 – 2001
 - Trinity College Robotics Contests – top 10% 2005, 2006
 - Full four-year merit-based scholarship (equivalent to ~\$160,000), F&M College 2003 – 2006

Work

- Senior Researcher & Software Engineer**, **Oracle**, Redwood Shores, CA 2012 – present
- Working on **Oracle Data Visualization**
 - Owner of Charts and Advanced Analytics
 - JavaScript, Java, C++
- Software Engineer**, **Google**, Mountain View, CA summer 2011
- Worked on Chrome: Enabled interaction with multiple web pages on screen at the same time
 - Developed a 3D web browsing **demo** - voted 2nd best of 30 projects in the 2011 Project Showcase
 - The work was presented at SIGGRAPH 2011
 - C++, JavaScript, HTML5, WebGL
- Research Assistant**, *Computer Science Department, University of California, Santa Barbara* 2006 – 2012
- Worked in the areas of HCI, Web User Interfaces, Data Visualization, Web Development
 - Java, JavaScript, Flex/Flash, MySQL

Open Source

- WiGis: Web-Based Graph Visualization Framework** 2008 – 2012
- Invented a technique for interactive visualization of millions of graphics primitives in the browser
 - Researched and compared multiple web technologies and techniques that can produce graphics on the web
 - Made a significant impact: The framework is being used by National Intelligence, US Army, IARPA, NSA
 - Java, JavaScript, Flex/Flash, AJAX, HTML5, SVG, MySQL

Entrepreneurship

- Founder of a Social Networking Website** 2007 – 2008
- Created the first Facebook clone in Bulgaria (20,000 users ~0.3% of the population)
 - Implemented all of Facebook's functionality before Apps (25,000 lines of code)
 - Attracted a funding offer of *half a million dollars* from the two major IT companies in Bulgaria
 - ASP.NET, C#, JavaScript, MS SQL

Publications

Cited over 500 times ([Google Scholar profile](#))

-  "Bridging Social and Semantic Computing – Design and Evaluation of User Interfaces for Hybrid Systems" S. Bostandjiev (*PhD Dissertation*)
-  "LinkedVis: Exploring Social and Semantic Career Recommendations" (*ACM Intelligent User Interfaces 2013*) S. Bostandjiev, J. O'Donovan, and T. Höllerer
-  "TasteWeights: A Visual Interactive Hybrid Recommender System" (*ACM Recommender Systems 2012*) S. Bostandjiev, J. O'Donovan, and T. Höllerer
-  "Inspectability and Control in Social Recommenders" (*ACM Recommender Systems 2012*) B. Knijnenburg, S. Bostandjiev, J. O'Donovan, and A. Kobsa
-  "WiGipedia: Visual Editing of Semantic Data in Wikipedia" (*VISSW, ACM Intelligent User Interfaces 2011*) S. Bostandjiev, J. O'Donovan, B. Gretarsson, C. Hall, and T. Höllerer
-  "WiGipedia: A Tool for Improving Structured Data in Wikipedia" (*IEEE ICSC 2011*) S. Bostandjiev, J. O'Donovan, C. Hall, B. Gretarsson, and T. Höllerer
-  "WiGis: Web-based Interactive Graph Interfaces" (*Graph Drawing 2009*) B. Gretarsson, S. Bostandjiev, J. O'Donovan, and T. Höllerer
-  "SIGMA: A Statistical Interface for Graph Manipulation and Analysis" (*GSWC 2011*) G. Meyer, B. Gretarsson, S. Bostandjiev, J. O'Donovan, and T. Höllerer
-  "SmallWorlds: Visualizing Social Recommendations" (*Eurographics / IEEE Visualization 2010*) B. Gretarsson, J. O'Donovan, S. Bostandjiev, C. Hall, and T. Höllerer
-  "A Visual Interface for Social Information Filtering" (*IEEE Social Computing 2009*) J. O'Donovan, B. Gretarsson, S. Bostandjiev, B. Smyth, and T. Höllerer
-  "PeerChooser: Visual Interactive Recommendation" (*ACM Computer-Human Interaction 2008*) J. O'Donovan, B. Gretarsson, S. Bostandjiev, B. Smyth, and T. Höllerer
-  "TopicNets: Visual Analysis of Large Text Corpora with Topic Modeling" (*ACM TIST 2011*) B. Gretarsson, J. O'Donovan, S. Bostandjiev, A. Asuncion, D. Newman, P. Smyth, and T. Höllerer
-  "Enhancing Classroom and Distance Learning Through Augmented Reality" (*AACE EdMedia 2010*) C. Coffin, S. Bostandjiev, J. Ford, and T. Höllerer

Committees

Program Committee Member, *International Conference on Social Informatics (SocInfo)* 2010, 2011
Reviewer, *Graduate Student Workshop on Computing (GSWC)* 2010

Teaching

Teaching Assistant, *University of California, Santa Barbara* 2006 – 2008
• Courses: Java Programming, Computational Science
* **Received an Award for Exceptional Performance as a Teaching Assistant**

Skills

Languages: JavaScript, Java, C/C++, C#, ActionScript, OpenGL, WebGL
Web: Flex/Flash, Silverlight, HTML5, SVG, AJAX, HTML, CSS, XML, JSON
IDEs: Eclipse, Visual Studio, SlickEdit, Flash Builder
Databases: MySQL, MS SQL