

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 Math 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 in 2002), F&M College 2002 – 2006
- John Kershner Scholar in Mathematics – given to the best Math student at F&M College 2005, 2006
- Awarded a total of 5 research grants as an undergraduate student 2002 – 2006
- Granted admission to all high schools in Bulgaria for winning the National Math Olympiad 1996

Work

Principal Software Engineer & Researcher, Oracle, Redwood Shores, CA 2012 – present

- Project lead, managing 15 engineers
- Working on **Oracle Data Visualization**
- Owner of Charts and Advanced Analytics / Statistics
- 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 1000 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