Svetlin (Alex) Bostandjiev

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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 Mathematical 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 400 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. Knijenburg, 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