

Svetlin (Alex) Bostandjiev

UCSB CS dept., Santa Barbara, CA 93106 • (805) 284 5467 • alex@cs.ucsb.edu • <http://bostandjiev.com>

Goal: To start working full-time in 2012 in one or more of the following capacities:
Software Engineer, Web Developer, UI/UX Engineer, Research Scientist

Education

M.S. and Ph.D. in Computer Science, University of California, Santa Barbara Expected graduation: 2012
• Areas: Web User Interfaces, HCI, Data Visualization, Web Development, Social & Semantic Web
• GPA: 3.92

Graduate Program in Management Practice, University of California, Santa Barbara 2011
• GPA: 3.97

B.S. in Computer Science & Mathematics, Franklin & Marshall College, PA 2006
• GPA: 3.92 (top 1%, *summa cum laude*)

Awards

- PACISE Programming Contest - 3rd award 2006
- Trinity College Robotics Contests – top 10% 2005, 2006
- National Mathematics Contest of Bulgaria - three 1st awards, one 3rd award 1996 – 2001
- Full Merit-Based Scholarship, F&M College 2003 – 2006
- John Kershner Scholar in Mathematics – received two stipends, F&M College 2005, 2006
- Awarded a total of 5 research grants as an undergraduate student, F&M College 2003 – 2006

Work

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
• Work was presented at SIGGRAPH 2011
• C++, JavaScript, HTML5, WebGL

Software Engineer & Product Manager, DealerTrack, Santa Barbara, CA Summer 2010
• Designed and developed a web-based [visual analytics tool](#) for the automobile industry
• ASP.NET, Silverlight, C#, MS SQL, LINQ, WCF Services

Software Engineer, Mindflash, Santa Barbara, CA Summer 2009
• Developed for an [online training system](#) that helps managers train thousands of employees every day
• ASP.NET, Flex/Flash, C#

Software Engineer, Kaseya, Santa Barbara, CA Summer 2008
• Introduced dynamic updates in the company's web interface by integrating new client-side libraries
• ASP.NET, C#, JavaScript

Open Source

WiGis: Web-Based Graph Visualization Framework (<http://wigis.net>) 2008 – present
• 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
• The framework is being used by National Intelligence, US Army, IARPA, NSA
• Java EE, JavaScript, Flex/Flash, AJAX, HTML5, SVG, MySQL

Entrepreneurship

Founder of a Social Networking Website (<http://3drasti.com>) 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

Research

Research Assistant, Computer Science Dept, University of California, Santa Barbara

2008 - present

Selected Projects:

WiGis: Web-Based Graph Visualization Framework (<http://wigis.net>)

(See description under "Open Source" on the previous page)

TasteWeights: A Visual Interactive Hybrid Recommendation System ([demo](#))

- Designed a web interface that allows for expression of taste in a hybrid recommendation process
- Recommendations are based on the hybridization of different data sources (i.e. Wikipedia, Facebook, Twitter)
- Java EE, Flex/Flash, MySql

WiGikipedia: Visual Editing of Wikipedia

- Created a novel semantic search interface that allows single-click editing of structured data in Wikipedia

Publications

(under review) "TasteWeights: A Visual Interactive Hybrid Recommender System"


S. Bostandjiev, J. O'Donovan, and T. Höllerer.

 "WiGikipedia: Visual Editing of Semantic Data in Wikipedia" (VISSW, Intelligent User Interfaces 2011)


S. Bostandjiev, J. O'Donovan, B. Gretarsson, C. Hall, and T. Höllerer.

 "WiGikipedia: A Tool for Improving Structured Data in Wikipedia" (IEEE Intl. Conf. on Semantic Computing 2011)

S. Bostandjiev, J. O'Donovan, C. Hall, B. Gretarsson, and T. Höllerer.

 "WiGis: Web-based Interactive Graph Interfaces." (International Symposium on Graph Drawing 2009)


B. Gretarsson, S. Bostandjiev, J. O'Donovan, and T. Höllerer.

 "SmallWorlds: Visualizing Social Recommendations" (Eurographics / IEEE Symposium on Visualizations 2010)


B. Gretarsson, J. O'Donovan, S. Bostandjiev, C. Hall, and T. Höllerer.

 "A Visual Interface for Social Information Filtering." (IEEE Conference on Social Computing 2009)


J. O'Donovan, B. Gretarsson, S. Bostandjiev, B. Smyth, and T. Höllerer.

 "PeerChooser: Visual Interactive Recommendation." (ACM Conference on 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" (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, UCSB

2006 – 2008

- Courses: Java Programming, Computational Science

* **Received an Award for Exceptional Performance as a Teaching Assistant**

Skills

Languages: Java, C/C++, C#, JavaScript, ActionScript, OpenGL, WebGL

Web: ASP.NET, Java EE, Flex/Flash, Silverlight, HTML5, AJAX, HTML, CSS, SVG, XML, JSON

IDEs: Eclipse, Visual Studio, SlickEdit, Flash Builder

Databases: MySQL, MS SQL