

Stefan George

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WORK EXPERIENCE

September 2011 – February 2012: Internship at SAP Labs, Palo Alto, CA U.S.

- *September 2011 – January 2012:*
 - Designed user interface for an iPad application to analyze cancer data using new HANA technology in cooperation with hospital Charité in Berlin. Prototype was launched at World Health Summit in Berlin and presented by Hasso Plattner, cofounder of software giant SAP AG, at Sapphire in Beijing during his keynote talk.
 - Website: <http://epic.hpi.uni-potsdam.de/Home/HanaOncolyzer>
- *December 2011 – February 2012:*
 - Proposed and independently developed prototype for a mobile application to display people nearby that have similar likes. Integrated with Facebook and Google Maps using jQuery Mobile.
 - Still in development, demo can be shown on request.

INDEPENDENT PROJECTS

October 2011 – January 2012: Development of kino1.to

- Programmed aggregator and search engine for all important German TV stations' media libraries, covering five libraries including over 70,000 entries. Designed frontend, while collaborating with a colleague on backend (crawlers for media libraries). Created special interface to display search results for movies in a continuous flow as they appear in some image search engines. This project refers to the well-known site kino.to, leading site for illegally shared movies in Germany until it was closed due to copyright violations. We want to show users the **legal** content that can be found in publicly available libraries for **free**.
- Website: <http://www.kino1.to>

May 2011 – September 2011: Development of Humbug iPhone Application

- Created this creative quiz game for iPhone and iPod together with two friends. Game is based on the board game Nobody is Perfect: Players write possible answers and try to fool each other. Everybody can play against other players over WLAN.
- Website: <http://www.humbug-app.com>

April 2011 – May 2011: Development of likescale.com

- Created service to track the development of like count on Facebook pages. Wrote crawlers that create and update seeds from different sources automatically to discover new Facebook pages. Crawlers have discovered over 16 million pages, of which 300,000 (with 5,000+ Likes) are tracked. The website is presented in a Facebook-like design with a Facebook-like search interface, displaying the growth in Facebook pages as graphs. Google News is annotated to graphs of strongly growing pages.
- Website: <http://www.likescale.com>

December 2010 - February 2011: Development of PokerArithmetic.com

- Developed this web-based poker analysis software with a leading Heads Up No Limit poker player as consultant to find weak spots in both players' and opponents' games. Users can upload recorded games which are analyzed automatically.
- Website: <http://www.pokerarithmetic.com>

November 2010 – (currently suspended): Development of PeopleXP.com

- Developed Chrome browser Add-on that helps to find information on persons, including less known persons by extending Google Search with controls to give user relevance feedback. Users can say if website information discovered is relevant or not. Websites are analyzed afterwards, important information is extracted, and new queries are generated. In addition, the Add-on connects to Facebook, via Graph API, and Google Search to find more websites that describe user's friends.
- This project was entered in the [HPI Business Plan Competition](#) and made it to the finals.
- Website: <http://www.peoplexp.com> (still in development, demo can be shown on request)

October 2008 - July 2009: ECCC - Electronic Colloquium on Computational Complexity

- Web application for reviewing papers submitted by computer theorists, developed for the Chair of Internet and WWW at the HPI. Developed frontend and shared work on backend.
- Website: <http://www.eccc.hpi-web.de>

ACADEMIC EDUCATION

October 2010 – present:

Enrolled in Master's program in IT-Systems Engineering, HPI, Potsdam, Germany

May 2011 – November 2011: Development of GBON iPad Application

- Invented as part of team of five students a new generic approach to navigate in SAP data sets. Developed iPad prototype that enabled GUI customization, applied user tracking in order to select information based on user's context, and integrated social features such as following co-workers.
- Prototype was presented to Hasso Plattner, who was impressed by this idea and its implementation and made it an initial project at the new [Innovation Center Potsdam](#).

October 2007 - July 2010:

B.S. in IT-Systems Engineering, GPA 1.8 on scale 1 (best) to 5, HPI, Potsdam, Germany

October 2009 - July 2010

- *Bachelor degree project in cooperation with IBM: Extreme Web Data Integration for Government Data*
Goal was to discover relevant data sources from both U.S. and EU, explore and extract data from those sources, develop methods for scrubbing such data, develop techniques to discover duplicate entries and links among data, and finally, fuse duplicate data entries. I wrote crawlers and converters for this data and developing an algorithm to fuse duplicates based on the Dempster-Shafer Theory.
- *Enterprise resource planning system*
The entire class (70 students separated into groups of 7 using Scrum techniques) programmed an online ERP system in cooperation with several business partners to meet their requirements. I created a simple drag-and-drop user interface to migrate existing data.

October 2008 - July 2009

- *iKuh Game for the OLPC Project (One Laptop Per Child) as part of Software Architecture class*
Developed computer game iKuh and website including an online JavaScript level-editor as part of team of 5 students using Scrum techniques. I created user interface, level editor and graphics. Game was voted best in the class.
Website: <http://beta.ikuh-game.com>
- *Modeling car-sharing software*
As tutor for software modeling class, coached two teams (one team of 9, the other of 14 students), which had to develop an UML model for car-sharing software. Both teams finished their project with A grades.
- *Development of a prototype that makes use of back of device interaction*
Developed user interface for mobile application Sky Guide as part of Human Computer Interaction class. Presentation video: <http://youtu.be/RCxkiQfgYpQ>

SKILL SUMMARY

- **Languages:** Fluent in English and German
- **Programming languages/frameworks:** JavaScript, Python, Django, Objective-C, HTML5, SQL, PHP, Java
- **Modeling:** UML, BPMN
- **IDE:** Eclipse, Visual Studio, PyCharm, Xcode
- **Main fields of interests:** Graphical user interface design, web development, applied statistics
- **Additional skills:** Photoshop, drawing, painting, design (<http://www.art.genesisware.de/>)