

B.J. Spaan

CONTACT INFORMATION

Name: B.J. Spaan (Bert)
Address: St. Antoniesbreestraat 106 E
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The Netherlands
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E-mail: bert.spaan@gmail.com
Date of Birth: July 13, 1982 (Amsterdam)

EDUCATION

University of Wisconsin–Madison

Department of Geography

January – June 2008

- Courses:
Cartography, interactive & web-based maps, interaction design, data visualization
- Project (interactive map) in collaboration with the U.S. National Park Service
Winner of the 2008 Student Web Mapping Competition of the
North American Cartographic Information Society (NACIS)

Utrecht University

Department of Information and Computing Sciences

2005 – 2008

- **Master of Science** in Game & Media Technology
- Master's thesis:
"Road Data Simplification with Circular Arcs and Straight Lines",
describing the results of research internship at TomTom
Advisor: Marc van Kreveld – graded 8/10
- Courses:
GIS, image processing, 3D modeling, graph algorithms, game design,
multimedia retrieval, machine learning
- Project on map generalization, in cooperation with the Ordnance Survey:
"High Quality Building Generalization by Extending the Morphological Operators"

Eindhoven University of Technology

Department of Mathematics and Computer Science

2000 – 2005

- **Bachelor of Science** in Computer Science and Engineering
- Courses:
Mathematics, computer programming, user interfaces, databases,
computer networks, algorithm design, software engineering, statistics

Department of Architecture

2003 – 2004

- One year of various courses

EXPERIENCE

Geodan, Amsterdam

September 2010 – now

Developer in User Experience Design Team

- Maintenance of large (geo)-databases on Linux servers
- Design and development of Google Maps-like web mapping systems with open-source software:
Java, Hibernate, Spring, PostgreSQL, PostGIS, GeoServer

SkyDreams, Utrecht

October 2008 – June 2010

- Front-end web development with PHP/Zend, JavaScript/JQuery
- Statistical analytics and visualization with Python, PHP and MySQL
- Database management and analysis

TomTom, Amsterdam

Map Development Team

- Internship – research project on road data simplification, patented by TomTom as PCT/EP2008/004558
- Full time employment, implementing research results

February – October 2007

November 2007 – January 2008

Nederlands Film Festival, Utrecht

- Coordinator of decorating team

September – October 2006

SKILLS

Computer programs & operating systems

- Windows, Mac OS X, Linux
- Flash, Illustrator, Photoshop, Maya, AutoCAD
- ArcGIS, GeoServer, OpenLayers

Computer languages & techniques

- C++, Java, PHP, SQL, Python, ActionScript 3
- JavaScript, HTML, CSS
- MySQL, PostgreSQL

INTERESTS & ACTIVITIES

Volunteer work

- Oerol Festival, Terschelling **2009 – 2010**
- Nederlands Film Festival, Utrecht **2005 – 2009**
- International Documentary Festival Amsterdam **2008 – 2010**
- Louis Hartlooper Complex, Utrecht **2006**

Parnassos Cultural Centre, Utrecht

- Various photography, piano, guitar and music production courses