



## Christian Michael Schneider

Juliastrasse 8 | CH-8032 Zurich | Switzerland  
 2 May 1978 | Swiss and British nationalities  
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### Education

- 2001 - 2006 MSc in Advanced Computer Science  
 University of Neuchâtel (CH) | Århus University (DK)  
 Thesis on Particle Systems at the Centre for Advanced Visualization and Interaction (CAVI), Århus (DK)
- 1996 - 2001 Aviation Training / Pilot Licence  
 Swiss Air Force Pilot School
- 1995 - 2000 Primary- and Secondary School Teaching Diploma  
 Teacher Training College, Thun (CH)

### Employment

- 2015 - University of Applied Sciences HTW Chur (CH), Institute for Multimedia Production IMP  
 Adjunct Lecturer  
 Teaching Information Visualisation | Realtime Visualisation of Brainwaves / Neurofeedback in collaboration with Department of Psychology, University of Zurich (CH)  
 Advisor Bachelor Thesis
- 2012 - 2016 Statistics Office, City of Zurich (CH)  
 Scientific Collaborator | Data Visualisation Specialist  
 Responsible for the field «Data Visualisation»  
 Member of the teams «Innovation & Technology» and «Analytics»  
 Concept, specification and project management in development of a visualisation library based on d3.js  
 Project Lead, concept, design, realisation and coordination of an exhibition.  
 Design and implementation of a visualisation software for population scenarios  
 Design and implementation of interactive charts
- 2007 - 2011 ETH Zurich (CH), Chair for Information Architecture  
 Researcher and Teaching Assistant  
 Research and teaching in the areas of Data Visualisation, Computational Design, Parametric Urban Design + Simulation, Digital Fabrication and Projection Mapping
- 2006 - 2007 Exile Films, Auckland (NZ)  
 Computational Design Artist  
 Created online content within an international branding campaign for MTV World (Music Television)
- 2006 Centre for Advanced Visualization and Interaction, Århus (DK)  
 Demo Application Designer  
 Designed and implemented an interactive drawing application for a 3D panorama screen
- 2003 - 2004 University of Neuchâtel (CH), Department of Plant Ecology  
 Java Developer  
 Developed a spatial simulation environment

## Teaching

2017	Neuro Space Program
2016	«Into The Mind II», workshop, University of Applied Sciences HTW Chur (CH)
2015	«Urban Data Visualisation», guest lecture, University of Liechtenstein (LI) «Into The Mind», workshop, University of Applied Sciences HTW Chur (CH)
2011	«Articulating Urban Complexities», workshop, ETH Zurich (CH) «Articulating Urban Complexities», workshop, Moscow (RU)
2010	«Projected Realities», workshop, ETH Zurich (CH) «Visualising and Simulating Future Cities», summer school, ETH Zurich (CH) «Articulating Urban Complexities», workshop, ETH Zurich (CH)
2009	«Visualise Urban Complexity», workshop, ETH Zurich (CH) «Materialise Information», workshop, ETH Zurich (CH) «Reconstruct The Future», summer school, ETH Zurich (CH)
2008	«Information Aesthetics», lecture, ETH Zurich (CH) «The Sensitive Tapestry», workshop, ETH Zurich (CH)
2007	«Computational Information Design», workshop, ETH Zurich (CH)
2005	Java course, Digicomp Academy AG, Zurich (CH)

## Conferences / Presentations

2017	Brainhack Global Zurich (CH)
2015	«Zurich: dynamic - interaktive - attractive» at Swiss Statistics Meeting, Berne (CH)
2014	«Dada x Statistik» at Swiss Statistics Meeting, Yverdon (CH)
2011	«Components for Parametric Urban Design» at Symposium on Simulation for Architecture and Urban Design (SimAUD), Boston (US) «Responsive Illuminated Architecture» at International Symposium on Electronic Art (ISEA), Istanbul (TR)
2010	«Visualise Urban Complexity» at Statistics Office, Zurich (CH) Symposium on Future Cities, Xi'an (CN) Advances in Architectural Geometry, Vienna (AT) International Conference on Education and research in Computer Aided Architectural Design (eCAADe), Zurich (CH)
2009	«The Sensitive Tapestry» at International Conference on Information Visualisation, Barcelona (ES)

## Exhibitions

2017	«Urban Data Patterns» at Bestform & Design Award Berne (CH)
2013	«Dada x Statistik» at Cabaret Voltaire, Zurich (CH)
2010	«Projected Realities», 3D Projection, at Digital Art Weeks, Xi'an (CN) «Sensitive Tapestry», interactive facade projection, at eCAADe, Zurich (CH)
2008	«line disease», 4 screen video installation, at Monkey Town, New York (US) «Sensitive Tapestry», interactive facade projection, at ETH Zurich (CH) «silq», video installation, at Sonic Acts, Amsterdam (NL)
2007	«monk agents», generative painting, at Progr, Berne (CH)

## Miscellaneous

2016	Project Grant, Design Foundation Berne (CH), for «Urban Data Patterns» Data Science - From Data To Knowledge (postgrad. training), EPFL (CH)
2011 - 2012	Kitesurfing / Travelling, Cabarete (DR)
2011	Guest critic, Computational Design Studio, Princeton University (US)
2007	Interview Designer Magazine, Singapore (SG)

## Computer Skills

Operating Systems	Linux, Mac OS X, Windows, iOS, Android
Languages	Processing, Java, Python, C, C++, JavaScript, HTML/CSS, Sass, MySQL, C#, VBScript, VB .NET, RhinoScript, Liquid, Grasshopper, Bash, STELLA
Libraries / Frameworks	d3.js, p5.js, openFrameworks, OpenGL
Development	Eclipse, Xcode, Visual Studio, LiClipse, GNU make, Git/GitHub, SVN
Other	Rhino 3D, OpenBCI, MySQL, MongoDB, Firebase, Sublime Text, Jekyll, Markdown, LaTeX, Node.js, XML, UML, JSON

## Languages

German: mother tongue      English: fluent      French: fluent

## Interests

Kitesurfing, Skiing, Travelling, Nature, Psychology, Piano