Christian Michael Schneider

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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)

Employement

2015 –	University of Applied Sciences HTW Chur, Institute for Multimedia Production IMP (CH) Adjunct Lecturer
	Minor Course 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) Research Assistant	Data Visualisation Spezialist
	Responsible for the field «Data Visualisation»
	Member of the teams «Innovation & Technology» and «Analytics»
	Concept, specification and project managment 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, Chair for Information Architecture (CH) 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, Department of Plant Ecology (CH) Java Developer
	Developed a spatial simulation environment.

Teaching

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	«Visualize Urban Complexity», workshop, ETH Zurich (CH)
	«Materialize 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» (www.urbandatapatterns.ch)
	Steps To Leadership	Psychology of Vision (PoV) - Jeff Allen
2016	Data Science - From Data To Knowledge (postgrad. training), EPFL (CH)
2015	Reconnective Healing - Level II: Reconnective Healing Foundational Practitioner Program, Utrecht (NL)
	Reconnective Healing - Level I: The Essentials of Reconnective Healing, Utrecht (NL)
2010 - 2013	Essence Training - Energy, Psychology and Spirituality - Kabir Jaffe
2011 - 2012	Group Leader Training (GLT), Kabir Jaffe
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, Flask, NumPy, Pandas
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

Kite Surfing, Skiing, Travelling, Nature, Psychology, Piano