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)

Employment

2021 -	Data Anatomy GmbH (data-anatomy.io) Founder
	Design and development of interactive data visualizations and online reports
	Clients include Swiss government entities such as Canton of Bern (IIID Award 2023 for e-Bericht Gemeindefinanzen)
	Partnership with Hahn+Zimmermann GmbH (hahn-zimmermann.ch) for design-focused projects
2017 - 2021	Self-employed (christianschneider.ch) Data Visualisation, Visual Analytics, Consulting
2015 - 2019	University of Applied Sciences HTW Chur (CH), Institute for Multimedia Production IMP Adjunct Lecturer
	Teaching Data Visualisation and Generative Design
	Advisor Bachelor Thesis
2012 - 2016	Statistics Office, City of Zurich (CH) Scientific Collaborator	Data Visualisation Spezialist
	Responsible for the field «Data Visualisation»
	Concept, specification and project managment in development of a data visualisation library.
	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

Teaching

2023 -	Lucerne University of Applied Sciences and Arts (HSLU), Master Design «Data Visualization with p5.js and D3.js», elective course
2020 -	Bern University of Applied Sciences (BFH) «Datenvisualisierung aus der Gestaltungsperspektive», module, CAS Datenanalyse «Wahltag D3.js», module, CAS Datenanalyse
2019 -	Bern Academy of the Arts (HKB) «Creative Coding», module, CAS Data Visualization Various modules, CAS Generative Data Design
2020 -	Lucerne University of Applied Sciences and Arts (HSLU), Data Design + Art «Think 1», workshop «Play 3», workshop «Think 4», workshop
2023	New Design University (NDU) «Creative Coding», elective course
2015 - 2019	University of Applied Sciences of the Grisons (FHGR) «Into The Mind», workshop «Into The Mind II», workshop «Into The Mind III», workshop «Big Data Visualisation», workshop «Visualise The Invisible», workshop
2015	University of Liechtenstein (LI) «Urban Data Visualisation», guest lecture
2007 - 2011	ETH Zurich (CH) «Computational Information Design», workshop «Information Aesthetics», lecture «The Sensitive Tapestry», workshop «Visualise Urban Complexity», workshop «Materialise Information», workshop «Reconstruct The Future», summer school «Projected Realities», workshop «Visualising and Simulating Future Cities», summer school «Articulating Urban Complexities», workshop «Articulating Urban Complexities», workshop, Moscow (RU)
2005	Digicomp Academy AG, Zurich (CH) Java course

Conferences / Presentations

2018	TRI / TINNET Conference (DE)
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

2019	«Subatomar» at HeK, Haus der elektronischen Künste, Basel (CH)
	«Carsharing – Karlsruhe» at ZKM, Center for Art and Media, Karlsruhe (DE)
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

2017 - 2018	Steps To Leadership	Psychology training programme by Jeff Allen
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)

Computer Skills

Operating Systems	macOS, Linux, Windows
Languages	Processing, Java, Python, C, C++, JavaScript, HTML/CSS, C#, VBScript, RhinoScript, Grasshopper, Bash
Libraries / Frameworks	D3.js, p5.js, Vue.js, openFrameworks, OpenGL
Development	Eclipse, Xcode, Visual Studio, LiClipse, GNU make, Git/GitHub, SVN
Other	Rhino 3D, OpenBCI, Firebase, Jekyll, Markdown, LaTeX, Node.js, XML, UML, JSON

Languages

German: mother tongue   English: fluent   French: fluent

Interests

Psychology, Kitesurfing, Skiing, Travelling, Nature, Piano