



## Christian Michael Schneider

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2 May 1978 | Swiss and British nationalities

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### Education

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

## Employment

2021 -	<p>Data Anatomy GmbH ( <a href="http://data-anatomy.io">data-anatomy.io</a> ) Founder</p> <p>Design and development of interactive data visualizations and online reports</p> <p>Clients include Swiss government entities such as Canton of Bern (IIID Award 2023 for e-Bericht Gemeindefinanzen)</p> <p>Partnership with Hahn+Zimmermann GmbH ( <a href="http://hahn-zimmermann.ch">hahn-zimmermann.ch</a> ) for design-focused projects</p>
2017 - 2021	<p>Self-employed ( <a href="http://christianschneider.ch">christianschneider.ch</a> ) Data Visualisation, Visual Analytics, Consulting</p>
2015 - 2019	<p>University of Applied Sciences HTW Chur (CH), Institute for Multimedia Production IMP Adjunct Lecturer</p> <p>Teaching Data Visualisation and Generative Design</p> <p>Advisor Bachelor Thesis</p>
2012 - 2016	<p>Statistics Office, City of Zurich (CH) Scientific Collaborator   Data Visualisation Specialist</p> <p>Responsible for the field «Data Visualisation»</p> <p>Concept, specification and project management in development of a data visualisation library.</p> <p>Project Lead, concept, design, realisation and coordination of an exhibition.</p> <p>Design and implementation of a visualisation software for population scenarios</p> <p>Design and implementation of interactive charts</p>
2007 - 2011	<p>ETH Zurich (CH), Chair for Information Architecture Researcher and Teaching Assistant</p> <p>Research and teaching in the areas of Data Visualisation, Computational Design, Parametric Urban Design + Simulation, Digital Fabrication and Projection Mapping</p>
2006 - 2007	<p>Exile Films, Auckland (NZ) Computational Design Artist</p> <p>Created online content within an international branding campaign for MTV World (Music Television)</p>
2006	<p>Centre for Advanced Visualization and Interaction, Århus (DK) Demo Application Designer</p> <p>Designed and implemented an interactive drawing application for a 3D panorama screen</p>

## Teaching

2019 -	«Creative Coding», module, CAS Data Visualization, HKB (CH)
2020 -	«Datenvisualisierung aus der Gestaltungsperspektive», module, CAS Datenanalyse, BFH (CH)
2021 -	«Play 3», workshop, Data Design + Art, HSLU (CH)
2023 -	«Data Visualization with p5.js and D3.js», elective course, Master Design, HSLU (CH)
2022 -	«Think 4», workshop, Data Design + Art, HSLU (CH)
2020 -	«Think 1», workshop, Data Design + Art, HSLU (CH)
2025 -	CAS Generative Data Design, various modules, HKB (CH)
2023	«Creative Coding», elective course, NDU (AT)
2019	«Visualise The Invisible», workshop, HTW Chur (CH)
2018	«Big Data Visualisation», workshop, HTW Chur (CH)
2015 - 2017	«Into The Mind», workshop, HTW Chur (CH)
2015	«Urban Data Visualisation», guest lecture, University of Liechtenstein (LI)
2011	«Articulating Urban Complexities», workshop, Moscow (RU)
2010 - 2011	«Articulating Urban Complexities», workshop, ETH Zurich (CH)
2010	«Projected Realities», workshop, ETH Zurich (CH)
2010	«Visualising and Simulating Future Cities», summer school, ETH Zurich (CH)
2009	«Materialise Information», workshop, ETH Zurich (CH)
2009	«Reconstruct The Future», summer school, ETH Zurich (CH)
2009	«Visualise Urban Complexity», workshop, ETH Zurich (CH)
2008	«Information Aesthetics», lecture, ETH Zurich (CH)
2008	«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

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