

CAREER	Associate Professor	2024 –
	Assistant Professor	2020 – 2024
	Metropolitan State University of Denver Department of Computer Sciences Denver, CO	
	Data Science Manager	2018 – 2020
	Facebook – Marketing Science Ads Research Menlo Park, CA	
	Data Scientist / Quantitative Researcher	2015 – 2018
EDUCATION	Facebook – Marketing Science R&D Menlo Park, CA (2017 – 2018) London, United Kingdom (2015 – 2016)	
	Sr. Quantitative Analyst	2013 – 2015
	eBay – Internet Marketing Analytics Zurich, Switzerland	
	Software Developer, Game Mathematician	1999 – 2004
	Millennium Gaming Inc. (startup) Lakewood, CO	
	Software Developer, Project Manager	2002
EDUCATION	Mídia Show São Paulo, Brazil	
	PhD Applied Statistics	2009–2013
	University of Zurich, Zurich, Switzerland	
	PhD Coursework and Qualifying Exams (4.0)	2007–2009
	Colorado School of Mines, Golden, CO	
	MSc Computer Science (4.0)	2004–2006
EDUCATION	University of Colorado, Denver, CO	
	BSc Mathematics (subject 4.0, overall 3.67)	2004–2006
	BSc Computer Science (subject 3.75)	1996–1999
	Metropolitan State University, Denver, CO	
	General Studies	1994–1995
	University of Colorado, Boulder, CO	

**PUBLISHED/
PRESENTED**

Singh, S., Rajan, R., Geinitz, S., Peprah, K., Jay, S. *Exploring the Pedagogical Potential: An Investigation into Faculty and Students' Perceptions of Integrating Generative AI in the Classroom* (under review)

Geinitz, S. *Improving Student Learning and Socialization via Technology-Enhanced Collaboration*. International Journal of Technology Enhanced Learning, 2025 (in press).

Geinitz, S. *Dynamic Duo: Enhancing Collaborative Learning through Strategic Student Pairings*. International Conference on Interactive Collaborative Learning, 2024 (conference proceedings in press).

Geinitz, S. *PICA: A Data-Driven Synthesis of Peer Instruction and Continuous Assessment*. ECML PKDD 2023 Workshop: Responsible Knowledge Discovery in Education (RKDE). Communications in Computer and Information Science, vol 2134, 2025.

Runge, J., Geinitz, S. and Ejdeymyr, S. *Experimentation and Performance in Advertising: An Observational Survey of Firm Practices on Facebook*. Expert Systems with Applications, 2020.

Geinitz, S., Furrer, R. and Sain, S. R. *Bayesian analysis of variance for relative assessment of general circulation model effect*. International Journal of Climatology, 2014.

Furrer, R., Geinitz, S. and Sain, S. R. *Assessing variance components of general circulation model output fields*. Environmetrics, 2012.

Ward, T., Palmer, C., Houck, J., Navidi, W., Geinitz, S. and Noonan, C. *Community Woodstove Changeout and Impact on Ambient Concentrations of Polycyclic Aromatic Hydrocarbons and Phenolics*. Environmental Science and Technology, 2009.

**PAPERS/
PATENTS/
PROJECTS**

U.S. Patent Number 10438018, Steven Geinitz, Nikhil Shaw *Identifying online system users included in a group generated by a third party system without the third party system identifying individual users of the group to the online system (a novel use of Bloom filters)*, Granted Oct, 2019.

Geinitz, S. *PICATA: Data-driven Peer Instruction and Continuous Assessment via a (digital) Teaching Assistant*, <https://github.com/sgeinitz/picata>, 2022.

Geinitz, S., Furrer, R. and Sain, S. R. *MMANOVA: A general multilevel framework for multivariate analysis of variance*. arXiv:1207.2338[stat.ME], July 15, 2012.

Colagrosso, M., Geinitz, S. and Metcalf, C. *Xubuntos: Linux distribution designed to facilitate development of wireless sensor network applications using TinyOS*, 2007.

TEACHING	Assistant/Associate Professor	Metropolitan State University of Denver
	<i>CS 2050 Computer Science 2</i>	Fall 2020–
	<i>CS 2240 Discrete Structures</i>	
	<i>CS 3250 Introduction to Software Development Methods and Tools</i>	
	<i>CS 3240 Theory of Computation</i>	
	<i>CS 4050 Algorithms and Algorithm Analysis</i>	
	<i>CS 39AA NLP with Deep Learning</i>	
	<i>DSML 4220 Deep Learning</i>	
	Graduate Teaching Assistant / Recitation Instructor	University of Zurich
	<i>STA 402 Likelihood Inference</i>	Fall 2009–Spring 2013
	<i>STA 422 Bayesian Inference</i>	
	<i>STA 406 Applied Regression</i>	
	<i>STA 430 Spatial Epidemiology</i>	
	<i>STA 912 Spatial Statistics</i>	
	<i>STA 957 Generalized Regression</i>	
	Statistical Consultant	University of Zurich
	Provide one-hour long counseling sessions for students and researchers from other fields on use of statistical methods	Fall 2010–Fall 2012
	Graduate Teaching Fellow	Colorado School of Mines
	<i>MATH 323 - Probability and Statistics for Engineers</i>	Fall 2007–Spring 2009
	Affiliate Faculty	Metropolitan State University of Denver
	<i>MTH 1210 – Introduction to Probability and Statistics</i>	Fall 2006–Summer 2007