

Kyle Zachrich

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SUMMARY

Specializations in:

Curriculum Development, Technical Drawing, Multimedia Content Creation,
Interactive Software Training, 3D Geometry

Proficient with:

Articulate Storyline 360, Canvas LMS, Excel (Power Query, Macros), HTML, CSS
Adobe Suite (Acrobat, After Effects, Illustrator, InDesign, Photoshop, Premier Pro)

WORK EXPERIENCE

Course Coordinator / Advanced Instructor - Mathematics and Design Virginia Tech

Aug 2017 — Dec 2024
Blacksburg, VA

- Created and taught a series of courses titled 'Geometry and Mathematics of Design' that cover the basics of Adobe Illustrator, Blender3D, Photoshop, 3D parametric design, drafting techniques, and other technical topics in design.
- Built software training modules using instructional design principles to match learning objectives with other departments
- Created 3D explainer animations in Blender, and synced them to my lecture audio in Adobe Premier Pro
- Prepared and analyzed survey data to identify key factors in students' perception of teaching effectiveness and assess
- Developed interactive course materials in Articulate Storyline 360 that gamify learning and integrated them into Canvas LMS [Example module at xyzandrgb.github.io/StorylineFast/]
- Transferred online content to a single, organized, readable PDF using Adobe InDesign and Acrobat
- Built a website, xyzandrgb.github.io, to showcase student design work

Instructor - Statistics Minnesota State University

Aug 2014 — Jul 2017
Mankato, MN

- Taught College Algebra and Statistics courses including statistical programming and data visualization, first as a graduate assistant, then as a full-time instructor starting in August 2016

Productivity Analyst / Coach (Internship) Crossover for Work

Jun 2014 — July 2014
Austin, TX (Remote)

- Created onboarding infographics, Powerpoint presentations, and Tableau dashboards that simplified employee productivity metrics for stakeholders

Test Engineer SGS IBR Laboratories

May 2012 — Jan 2014
Grass Lake, MI

- Designed, built, and operated test stands to conduct performance testing on filtration systems for an independent test lab
- Generated NSF/ISO report templates to analyze and summarize raw particle sensor data for clients using Excel macros
- Worked with clients to develop custom tests, and served as technical support for water filtration tests

High School Teacher Colegio Decroly Americano

Mar 2011 — Dec 2011
Mixco, Guatemala

- Taught 10th grade Geometry and 8th grade Physical Science for one academic year at a top ranked international school

EDUCATION

Certificate in E-Learning Instructional Design

University of Washington, Currently enrolled part-time

Master of Science in Mathematics and Statistics

Minnesota State University, 2016

Bachelor of Science in Physics and Mathematics

Eastern Michigan University, 2010

CELTA (Certificate in Teaching English to Speakers of Other Languages)

Cambridge English, 2010