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Joshua Fisher

Work Experience

- 10/01/23–present Carnegie Learning, Inc. Pittsburgh, PA
Content Engineer, AI
- Built LiveHint AI, the world's first AI tutor fully embedded in a high-quality curriculum. Achieved a 40% increase in user satisfaction over predecessor model.
 - Currently leading content-authoring initiatives utilizing AI, including AI video generation for remediation, recommendation-engine initiatives, and standards-mappings and crosswalks. Early efforts suggest a 30% reduction in human effort with AI-human hybrid systems in development.
 - Built AI Large Language Model systems to achieve ~11% increase in funding for company's tutoring services.
- 05/17/10–10/01/23 Carnegie Learning, Inc. Pittsburgh, PA
Contributing Author, Director of Digital Content, Mathematics
- Managed an Agile team of 4 software engineers, 2 digital content authors, 3 video talents, and 2 video instructional designers.
 - Coded 44 Web-based Explore tools using HTML5 canvas and 50 instructional videos using After Effects. Video and Explore Tool implementation increased correct-response rates by over 60%.
 - Authored middle-school and high school mathematics materials (6–12) for both print products and cognitive software implementations.
 - Collaborated with authors, 40 professional-development specialists, 10 editors, and external developers/printers to ensure on-time delivery of high-quality materials including research-based pedagogy, marketing content, and ancillary materials.
- 12/10/07–04/30/10 Algebraic Thinking - NTN Austin, TX
Managing Editor
- Levels 3–8 mathematics.
 - Reported to VP of Product Development; managing writing and editorial process for two national products and 10 state-specific products throughout the school year.
 - Content editor for all products, including *Keys to Algebra Success* (KEAS) and *Keys to Mathematics Success* for Levels C–H (1,200 pages for each level, including teacher books, student books, and transparencies) .
 - Developmental editor and production editor for assessments delivered every 3 months to all contracted school districts across the U.S.
 - Hired and managed 4 freelance writers for the production of district- and school- level materials.

01/14/03–12/09/07 Options Publishing, Inc. Austin, TX

Project Management, Editor II

- Levels 1–8 mathematics.
- Lead editor on supplemental math intervention products for Grades 3–8.
- Projects Edited:
Comprehensive Math Assessment, Levels 2–8 (test prep).
Foundations in Math, Levels 2–8 (intervention).
Breakaway Math, Levels 3–8 (summer school).
Math Marvels, Levels 1–8 (parent involvement).
- Projects Authored:
QuickStart Math, Levels 1–8 (transparency-based product).

01/20/00–01/10/03 Houghton Mifflin Co. Boston, MA

Editor

08/01/00–01/10/03

- Grade 5 Editor for the 2005 program, developing all content—from manuscript to bound book.
- Associate editor on the fifth- and sixth-grade textbooks for Houghton Mifflin's 2002 California mathematics program.
- Initiated content development and editing on fifth- and sixth-grade math content, art specifications, language elements, design elements, and educational issues, including scope and sequence of the program and teacher needs.
- Wrote content in the pupil edition and teacher's edition and for several pages in ancillaries to the program.

Copyeditor/Proofreader

01/20/00–07/31/00

- Copyeditor of math and science textbooks.
- Edited for correct construction of and correct answers to mathematics problems.
- Fact-checking in science content.
- Prepared an alignment of the 2002 math program with *Mathematically Correct* ideas and California standards.
- Wrote content for education Web site (www.eduplace.com) and edited content to ensure quality of language and math content.

10/3/01–10/31/02 Brookline Adult Education Brookline, MA

Instructor—"Introduction to Copyediting"

08/17/99–11/18/99 NCS, Inc. Foothill Ranch, CA

Copyeditor/Proofreader

- Editor on the North Carolina Assessment Project, intended to test the math curriculum of the state for grades K–12.
- Made edits on over 1000 lesson plans online; plans were written for K–College education in all subjects.

05/29/96–05/30/99 EEC International, Inc.

Playa Del Rey, CA

Editor/Copyeditor/Proofreader—ESL/EFL

- Editor and assistant editor on 12 ESL publications.
- Thoroughly revised all ESL publications (approximately 10 books a month) following very strict rules for grammar, spelling, punctuation, and graphic layout.

Instructor

- Taught classes comprised of 300 to 400 elementary school ELLs and adult ELLs from Korea.
- Tutored a variety of students in mathematics, English, music, and Stanford 9 test preparation as part of an after-school program. I also taught group classes in music and mathematics.

Education

Loyola Marymount University, Los Angeles, CA B.A., Clinical Psychology and Music

Presentations/Publications

Speaker at National Conference for the National Council of Teachers of Mathematics.
Parents are From Venus, or Is It Mars?

Accepted Speaker at NCTM meeting; April 2016. *Quid Pro Code: I Tell You Things, You Tell the Kids*. (presentation on using programming for mathematics education)

[LiveHint: Intelligent Support for Analog Learning Experiences](#)