Laura L. Meyer

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Summary:

I was not job hunting however, this opportunity to apply my passion for mathematics, technology, and teaching to AI projects, sounds perfect. I like the idea of working with others while contributing to the development of quality educational materials. In short, when I read the job description, I know this is something I want to do.

Career Experience:

- March 2021 to Present: Data Analyst for Auto-Owners Insurance Company
  - Work on a variety of data reporting jobs.
  - Help to automate some of the processes.
  - Write and run queries to test data fields associated with insurance projects.
  - Help to maintain data integrity.
- Over 30 Years of College Tutoring Experience in the areas of:
  - Math, Logic, Statistics, and Physics
  - Programming, Web Development, and Computer Science

  At the following schools:
  - Lansing Community College (LCC): Lansing, Michigan
  - Davenport College (now a university): Lansing, Michigan
  - Michigan State University (MSU): East Lansing, Michigan
  - Indiana University - Purdue University at Indianapolis (IUPUI): Indianapolis, Indiana
  - Cuyahoga Community College (CCC): Parma Heights, Ohio
- Over 30 years of College Math Teaching Experince:
  - Precalculus, Business Calculus, Engineering Calculus I, II, & III, Linear Algebra, Differential Equations, Algebra, and others
  - Created auto-graded interactive SCORM compliant software programs that students use to both test and enhance their understanding of mathematical concepts
  - Created and improved WebAssign (Cengage Publishing) homework system questions
  - Studied and edited the Hot Potatoes SCORM compliant crossword puzzle API code to make it retain the highest score for LCC.

  At the following schools: LCC, Davenport, MSU

Experience with Programming and Scripting Technologies:

- Procedural: ActionScript 2.0, Java, JavaScript, Pascal, PHP
- Object oriented: ActionScript 3.0, C++, C#, Java, Python, Visual Basic
- CSS, HTML, SVG

Other Relevant Experience:

In my spare time, I enjoy learning and inventing new techniques to solve problems, and coming up with creative ideas for software that helps students learn concepts. I have:

- Spent one summer, answering questions on Yahoo Answers. Often, by the time I put together a well crafted answer with images to help illustrate a concept, another answer would have already been selected as the correct answer. Many times it was wrong or not well written, so I started working on questions that were at least a half hour old with nobody attempting to answer them. I found the older questions were often more challenging, therefore there was not as many people answering them. It was enjoyable to take the time needed to write a carefully crafted answer with all of the steps necessary to work through the problem.
- Written educational software in Flash and PHP: (In the process of updating my portfolio now that the Flash player is no longer available.)
- Made SCORM compliant interactive and engaging learning objects after spending an entire summer researching how to use SCORM.
- Learned to use HTML5, CSS3, SVG, JavaScript, and PHP to replace Flash projects: http://mathematical.website

Related Professional Development:

- Presented a mathematical idea to replace nested loops with a single loop at the 2020 LAND conference
- Presented at a poster session (http://lsquaredmath.us/scormQuest/SCORMposter) during an Angel User's Conference in Chicago and at a Detroit conference
- Helped discuss SCORM (shareable content object reference model) at Garrett Brand's Educational Technology Organization of Michigan (ETOM) conference session
- Led my own SCORM session at another ETOM conference
- Presented Great Gadgets for Online Courses at the MichMATYC (Michigan Mathematical Association of Two Year Colleges) 2003 conference

Education:

Masters of Science in Mathematics	Michigan State University
Bachelors of Science in Mathematics	Purdue University
Associates of Business in Computer Programming	Lansing Community College

Document Type

This document was originally created using html and css.
This document can be found at:
http://www.LauraLongMeyer.us/resume or http://www.LauraLongMeyer.us/resume/printableResume.pdf