

Joshua Coggins

Mathematically Inclined Developer

I am a problem-solving enthusiast. I use my background in mathematics and computer programming as a foundation to overcome challenges. When my current knowledge isn't enough, I love to continue learning, expanding my foundation, and enabling me to resolve new problems.

joshuaecoggins@gmail.com ✉

843-566-6045 📞

Hanahan, SC 📍

joshuasplayground.net 🌐

SKILLS

Data Analysis

Mathematics

Rapid Learning

Creativity

Teaching

Adaptability

Problem Solving

WORK EXPERIENCE

Internal Developer and Content Specialist

Hawkes Learning

09/2014 – Present

Achievements/Tasks

- Data Analyst; engineers data reports and communicates answers to a variety of questions by gathering, cleansing, and analyzing data. Documents, reports, and verifies corrections of data inconsistencies and inaccuracies.
- Deployment Team Captain; maintains a multi-user Access database, leads training, writes user guides, automates scheduling of content deployments, and provides guidance to teams on how to correctly deploy their content.
- Internal Developer; optimizes efficiency of manual testing and content creation by designing and developing internal applications for subject matter experts.
- Math Content Specialist; designs, proofs, edits, and tests iterable questions for mathematical titles in educational software.
- Quality Assurance; tests new applications and functionality changes to existing applications.
- Content Developer; completes the implementation of interactive statistical simulations demonstrating concepts such as the Central Limit Theorem and Type II Errors using HTML, MathML, and JavaScript.
- Founding Member of the Evaluation Guild; regulates and oversees mathematical evaluation engine improvements and guides math content teams in resolutions to evaluation issues.
- Retains in-jeopardy accounts by rapidly conceptualizing and developing new processes, for example, to convert content from a proprietary format to be used across third-party platforms by using PowerShell, SQL, RegEx, and XML.

EXPERTISE

Microsoft Excel



JavaScript



HTML and CSS



SQL



Power Query M
(excel)



Microsoft
Access



Visual Basic for
Applications



PowerShell



Regular
Expressions



Python



EDUCATION

Bachelor of Science in Mathematics

Charleston Southern University

05/2012

Courses

- Capstone: Queuing Theory
- Java—2 courses
- Ordinary Differential Equations
- Linear Algebra