

Joel Bacon

QA\Software Developer\Data Analyst

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EXPERIENCE

U.S. Silica, Rockwood MI — QA Lab Technician

Aug 2013 - November 2019

QA Testing, analysis, data entry, troubleshooting, process improvement, equipment calibration and setup, new equipment implementation, ISO standardization, new hire training, scheduling, and customer service/CRM

Self Employed, South East Michigan — Math Tutor

Sept 2004- Nov 2013

Working with students of all ages and skill levels, especially statistics and calculus 2&3 in lengthy individual and small group coaching sessions. Planned and taught a calculus 1 course to homeschoolers.

Various Part Time Employment

Summer 2000- current

Often taking temporary/extra work from staffing agencies, or friends/family, I'm a "jack of all trades" - from construction laborer and roofing, to parts inspector, starting as a kid with a paper route and including retail and food service experience, I work hard and love to learn new skills- In high school I helped as a stagehand with lighting and audio.

Math Departments of EMU and WCC

Oct 2004- 2010

Helping individuals and groups troubleshoot their logical problem solving issues for math and computer science.

EDUCATION

(in progress not currently enrolled- about 65% complete) Bachelors of Science: Mathematics and Computer Science

Eastern Michigan University, & WCC for transfer credits

Taking advanced mathematics courses early has proved to be an extremely valuable foundation for implementing algorithms, and analysing processes. Courses: Optimization Theory, Java Programming, Mathematical Modeling.

SKILLS

Languages

Java, C#, C++, SQL, Python, R, XML, CSS, HTML, Git, Octave

Other

Substantial experience in 2D and 3D design with AutoCAD, Video Editing, Familiar with Assembly language, Efficient at learning new software, Automotive repair

VOLUNTEER

Mentored in CATIA and Java for FIRST Robotics competition, Rebuilt homes for hurricane victims in South Carolina

INTERESTS

Game Development, Renewable energy, Efficiency, Mechatronics, Accounting

ONLINE COURSES

DataCamp, Udemy, and Coursera courses: Computer Science Online Universities, present -I've completed courses in R, Github, SQL, and Machine Learning. I'm continuing to take courses in 2D Game development in C# with Unity, Android app design, and others focusing on Data Science.