

# Steve Emerson

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## QUALIFICATIONS

*I am an analytical problem-solver and enjoy writing code and exploring data sets to discover new insights. I am experienced at explaining complex topics in mathematics, statistics and programming.*

- Write, test and debug Python code. I teach a high school Python course and have written hobby projects. My favorite is a program to search for sums of perfect cubes.
- Use Jupyter notebooks for data analysis. I analyzed our budget to determine how much we spend on coffee. Worked with csv files and used regular expressions.
- Currently working through “Python for Data Analysis”, using numpy and pandas.
- Currently learning SQL through online study.
- Taught high school statistics including descriptive and inferential stats as well as hypothesis testing.
- Beginning to intermediate JavaScript programming. I also teach JS to high school students.
- Beginning Java programming. Yep, I teach a Java class.
- Comfortable in Linux and Windows environments.
- Data analysis and basic machine learning projects in R (older skills, can refresh).
- Familiar with Cybersecurity issues and technologies.

## CAREER OBJECTIVE AND TIMELINE

I am looking for a position where I can build on the skills in data analysis and programming that I have learned over the past few years. I would like an opportunity to take some of these skills deeper. I am currently under contract and will be available for a new position on June 1, 2020.

## TRAINING AND CREDENTIALS

### **Bachelors in Mathematics Education**

Purdue University, West Lafayette IN

### **Masters in Instructional Technology**

IUPUI, Indianapolis IN

### **CompTIA Security+ Certification**

## PROFESSIONAL EXPERIENCE

FISHERS HIGH SCHOOL, Fishers IN

**Computer Science Teacher**, August 2017 to present

Over the past three years ...

- Taught introductory computer science courses.
- Teach programming in JavaScript and Python.
- Teach a college level programming course in Java.
- Piloting a new Cybersecurity course.
- Helped to grow our population taking computer science by ~200 students.

FISHERS HIGH SCHOOL, Fishers IN

**Mathematics Teacher**, August 2004 to August 2017

- Taught high school mathematics courses including Statistics ,Algebra, Pre-Calculus/Trigonometry, and Discrete Mathematics.
- Served faculty committees including technology development, safe schools and instructional strategies.
- Conducted numerous staff development sessions on technology and school safety issues.

CARMEL JUNIOR HIGH, Carmel IN

NORTHWEST HIGH SCHOOL, Indianapolis, IN

**Mathematics Teacher**, August 1996 to August 2004