

Shannon Kotraba

803-417-9454
skotraba@gmail.com
Raleigh, NC 27613

<https://github.com/skotraba>
<https://www.linkedin.com/in/shannon-kotraba-346290126/>
<https://skotraba.github.io/>

Summary:

I have been learning to program on my own through various books, tutorials, Udemy courses and personal projects. I have had a mentor with a computer science degree guide me. I have taken some time off after graduating to dedicate myself to improving my programming skills even further. I love being able to use creativity and logic to create things that I am proud of. I am passionate about learning and programming gives me something greater than a job.

Skills:

- Languages: C++, Python, Java, HTML, CSS, SQL, and JavaScript
- Understanding of Object-Oriented Programming (OOP)
- Versions Control Systems
- Windows/Linux
- Proficient with Excel, Word, PowerPoint, Photoshop
- Ambitious with a strong desire to learn
- Ability to understand and express technical information clearly, both orally and in writing, when reporting results and explaining procedures to others
- Problem solving, patience and attention to detail while working
- Comfortable with working with large amounts of data
- Ability to understand and solve simple to complex theoretical problems
- Ability to perform advanced mathematics and statistical analysis

Personal Projects:

- Color Picker
 - A window that shows a color wheel and allows the user to select a color. Based on the user selection, two other colors are generated to show a triadic color scheme. A useful program for artist and designers. The values were calculated using properties of an equilateral triangle. Written in C++ using the SFML library for graphics.
- Library Management System
 - A console command program that manages books in a library. A librarian can log in with an admin password and add new books to the library, check out books and see what is unavailable. A student can create their own username and password and see which books are available. The books are saved in different text files depending on their availability. Written in C++.
- Recipe Calculator
 - A console command program that takes user inputted information about ingredients and stores them in a recipe. The user can view the recipes and have the program calculate calories per servings or calories based on the weight of a given serving. Written in Python.

Experience:

- Internship as Analytical Chemical Technician at Pneuma Respiratory Fall 2019 September-December
 - Worked on a team to conduct and analyze experiments using standard analytical laboratory equipment. Organized data to be in a presentable format.
- Four years in the Army as a Healthcare Specialist 68W 2012-2016
 - Nine Months in Egypt providing first response security 2014
 - Worked as a team and individually to provide front gate security and tower security
 - One-year Medical Clinical Experience 2015-2016
 - Worked under the supervision of a physician to provide patient care and organize and ensure appointments were done efficiently
- Student Veteran Receptionist at Appalachian State University 2018

Education:

- Bachelor's in Chemistry, Minor in Criminal Justice Appalachian State University (2016-2019)
 - Related Coursework: Analytical Physics I & II, Calculus with Analytical Geometry I & II, Introduction to Statistics
- 68W Medical Training San Antonio, TX EMT (2013-2017)