# Shawn Phillips

## Contact Info

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## Code Samples

github.com/radEdward

## Skills

Java
Javascript, HTML, CSS
Basic SQL
OOP Principles
VBA
Excel
FORTRAN
Applied Math
Problem Solving
Organization
Attention to Detail
Team Work

## Education

Kennesaw State University (2016)
BSc Physics and Mathematics
3.46 overall GPA

Georgia Perimeter College (2013)

## Extra-Curricular Activities

President of KSU Society of Physics Students from 2014 to 2016

Member of national honor societies for Physics and Mathematics (Sigma Pi Sigma and Pi Mu Epsilon)

Research Assistant for Materials Science Project. Started an ongoing undergraduate research study to prepare students for graduate school.

Research Assistant for Mathematical Biology Study. Computationally analyzed equations to determine if they made an effective model of heart disease.

## Programming Projects

- **Board Game Web Application (vtt.netlify.com)**
  Created an easy-to-use, free application that displays any image uploaded by the user as an interactive map for Dungeons and Dragons. Image icons can be manipulated and placed on the map as game pieces. Written in Javascript, HTML and CSS.
- **Java Swing Applications**
  Wrote three projects using Swing in Eclipse:
  - A four function calculator
  - An interactive game board that was later rewritten as a web application
  - A user interface that uses the Apache Derby API to query a SQL table for board game data
- **Applied Optics and Propagation**
  Worked to create a numerical, physics simulation using FORTRAN in Ubuntu. The simulation emulated a laser traveling through space, as well as the results of the laser colliding with solid matter.
- **Course Work**
  Currently completing Udemy courses in web development, and Java. Completed university courses in Java/OOP, and Computational Physics.
  Additionally, used programming for various college assignments:
  - Modified scripts that automated measuring devices in labs
  - Created numerical solvers to analyze physical systems
  - Wrote algorithms that verified mathematical patterns

## Work Experience

- **Data Management and Analysis (December 2017 – Ongoing)**
  Currently working as a Data Specialist for a blood banking company. This involves:
  - Analyzing lab processes to identify inefficiencies and reduce time spent in manufacturing
  - Checking lab reports to ensure the integrity of highly regulated scientific data.
  - Utilizing VBA to write scripts that collect data from several disjoint data tables.
- **Physics and Mathematics Tutoring (December 2014 – December 2016)**
  Worked as an academic tutor for Kennesaw State University. Responsibilities included:
  - Assisting other students in most undergraduate math and physics topics
  - Attending frequent meetings concerning teaching strategies and service goals
  - Establishing a great working relationship with all students.
- **Customer Service (Intermittently 2008 – 2017)**
  Employed in various restaurants as a server, trainer, food expeditor, and host. Spent an accumulated 7 years in the industry. Daily duties involved:
  - Handling every aspect of the customer's experience
  - Staying focused and organized in a dynamic, high-stress environment
  - Training new employees in standard operating procedures