

# Shawn Phillips

## Contact Info

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404-281-0001

## Code Samples

github.com/radEdward

## Skills

Java (Eclipse, NetBeans)  
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.
- **Academic Projects**  
Took courses in Java/OOP, and Computational Physics. Additionally, used programming for various 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