

Karl Gaertner

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Experience In: Java, JavaScript, C, C++, SQL, Python, ARM assembly, Firebase, HTML

Purdue University – West Lafayette, IN

GPA: 3.95/4.00

December 2020

Bachelor of Science:

Major in Computer Science, Minor in Mathematics

Work Experience

Sabre Software Developer Intern

May – August 2019

- I created a webpage and connected it to a MySQL database through Hibernate while working with Java, Angular.js, and HTML.
- This webpage provided my team a location to view problems that occurred during our customers' payment processes.
- It also allowed them to create, modify, or delete rules that determine when a problem is important enough that an alert must be generated.

Undergraduate Teaching Assistant at Purdue University

January – May 2019

- I guided students through their problems in lab and helped them learn concepts that they did not understand during the lectures.

Personal Projects

Court Sort (Group Project)

- A web app which allows users to rate their meals, create groups to plan meals, and receive predictions for the dining court where they should eat.
- I worked on our backend by making calls to our database to obtain and set data.

Photo Calendar (Group Project)

- A Python program that can use a photo of a poster or flyer for an event and store the event and its location in your Google Calendar
- I took an array containing the contents of the poster and created an algorithm to determine what information represented the date, time, location, and event name.

Bid-Tac-Toe

- A version of Tic-Tac-Toe using Android Studio where users would bid how much they wanted to pay to place their symbol in the grid.

Neural Network

- A simple neural network using Processing to help introduce me to machine learning.

Clubs

- **B01lers** – A Capture the Flag club where we learn various skills and then apply them in our competitions.
- **Purdue Hackers** – A club that organizes Hackathons and invites companies to share advice and talk about what they are doing.
- **SIGAI** – A machine learning club where we are given various projects to practice creating machine learning algorithms.