

# Vaughn Bernard

## Full Stack Software Engineer

“Web developer by heart, and bird lover by nature – a full stack engineer looking to make the world better, little by little.”

Atlanta, GA  
678-574-5203

[vaughnbernard16@gmail.com](mailto:vaughnbernard16@gmail.com)

[LinkedIn](#)

[GitHub](#)

[Personal Website](#)

## PROJECTS

### Project—[AI-Tunes: A Song Lyric Trivia Game](#)

- A fun game that prompts players to enter their favorite music artist and then guess which song the AI generated voice is singing
- Created voice playback functionality using external api - [voicerss text-to-speech](#)
- Integrated responses of lyric generating api, to use as the base input for audio context
- Created new audio modules for the processing and decoding of audio data
- Created frontend UI that enables user audio playback interaction
- Collaborated on a team to create full stack web application using popular front-end/ back-end frameworks such as React, Express, Node, and Mongoose (MERN)
- Implemented two third-party API's: One to generate song lyrics from any recording artist, courtesy of [musixmatch.com](#), and another to generate an AI text-to-speech, [voicerss](#)

### Project—[Passport: Personal Travel Log App](#)

- Collaborated on a team to create full stack web application using popular front-end/ back-end frameworks such as React, Express, Node, and Mongoose (MERN)
- Allows users to track their travels and stay up to date with their future destinations
- Worked as backend manager to construct database framework and to assist team members on writing backend code

### Project—[FitTrack: Personal Fitness App Tracker](#)

- Created full stack web application using popular backend frameworks and noSQL database managers including Express, MongoDB and Mongoose

## Dev Skills

Front End Development

Back End Development

## Frameworks/Libraries

Express

MySQL

Node.js

React.js

Mongoose

MongoDB

Django

PostgreSQL

## Languages

JavaScript

Python

HTML

CSS

SQL

- Gives users a personal fitness tracker to log and edit their exercise routines

### **Project—**[Birb Slots: Bird themed slot machine game](#)

- Fun pseudo-las vegas style slot machine game written in vanilla JavaScript, HTML, and standard CSS

## **EDUCATION/ RELEVANT EXPERIENCE**

### **General Assembly—Software Engineering Certificate**

December 2022 - March 2023

- Completed Software Engineering Immersive teaching some of the most modern and in-demand technologies. Completed 480 hours of lecture, project creation, and real world application using frameworks and technologies such as Javascript, Node.js, Python, HTML, CSS, mongoDB, mongoose, React.js, Express.js, SQL, PostgreSQL, Heroku, and Nestify.

### **Kennesaw State University - Kennesaw, GA**

August 2022 - May 2025

- Computer Science

August 2013 - May 2018

- General Chemistry

## **WORK EXPERIENCE**

### **Water Treatment Operator — Cobb County-Marietta Water Authority, Acworth GA**

September 2018 - December 2022

- Responsible for the treatment of potable drinking water to over 800,000 residents of Cobb County, GA in keeping with EPA and EPD federal and state standards
- Monitored plant status via data acquisition program, SCADA
- Performed Hourly lab analyses of samples and ensured compliance to state and federal regulatory standards