

Chad Scarborough

Entry-Level Software Developer



ABOUT ME

My name is Chad Scarborough. I'm a former academic looking to transition to software engineering. In my roughly decade of programming as a hobby, I've been involved in a wide variety of projects, from game development to *avant-garde* art installations. It's important to me that the work I do has the broadest possible positive impact on the world, and I believe software development will allow me to achieve that ideal.

PROJECTS

The BEAM Piano Project — *Head of Engineering*

An art installation where one controls a light show by playing a prepared piano. The piano keys simulate button presses on a number of game controllers, all of which are connected to a Raspberry Pi. The inputs from these controllers are processed by a set of Python scripts, causing the Raspberry Pi to output various lighting effects.

Monopoly API — *Solo Developer*

A Javascript API for generating statistical data over a large number of simulated games of Monopoly with a specified number of games, turns per game, and opponents. The process outputs a JSON file describing the raw counts of how many times each space on a Monopoly board was landed on as well as the average profit margins of property, property group, railroad, and utility, each with multiple levels of development.

Sudoku Solver — *Solo Developer*

A Windows Forms Application written in C# that allows the user to input an unsolved standard Sudoku puzzle and outputs a valid solution for that puzzle, if one exists.

SKILLS

Programming Languages: Python, C#, Javascript, SQL, HTML, CSS

Hard Skills: Object-Oriented Programming, Design Patterns, 84 WPM typing speed

Soft Skills: Fast learning, Adaptability, Interpersonal Communication, Problem Solving, Analysis

EDUCATION

Texas Tech University, Lubbock, TX — *Master of Music*

August 2017 - May 2019

Major: Music Theory
GPA: 4.0

University of Alabama in Huntsville, Huntsville, AL — *Bachelor of Arts*

August 2013 - May 2017

Major: Music Performance - Trumpet
GPA: 3.9
Summa cum Laude

LINKS AND CONTACT

GitHub — [github.com/Chad Scarborough](https://github.com/ChadScarborough)

LinkedIn — [linkedin.com/in/chad-scarborough-083b2b23a/](https://www.linkedin.com/in/chad-scarborough-083b2b23a/)

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