Gajan Kumar

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**EDUCATION**

**University of Illinois at Urbana-Champaign** May, 2020

Bachelor of Science in Computer Science and Chemistry\* GPA: 4.00

* \*Interested in changing to a B.S. in Mathematics and Computer Science
* LAS James Scholar

**University of Missouri-Columbia** August 2016 – July 2017

Bachelor of Science in Computer Science & Bachelor of Science in Chemistry GPA: 4.00/4.00

**PROJECTS**

**Backbeat** (Fall 2017; CS 196 Team Project) – Bpm analysis tool for musicians to see if they played faster or slower than a desired tempo

* Installed and built the Essentia audio analysis library on Windows 10 via Bash on Ubuntu.
* Developed backend methods to get the bpm of relevant sections of a .wav file using the Essentia audio library
* Skills/Technologies: Python, Linux, Git/GitHub

**Quiz Study App (**Fall 2017; CS 126 Final Project) – Android app that allows users to enter problem sets as text or images and then allows users to receive a random quiz question for a particular course

* Designed and implemented Firebase Database Schema
* Learned how to work with images and Firebase Storage

**Tic Tac Toe** (Fall 2017; Partner project for CS 125) **–** Tic Tac Toe game with JavaFX GUI

* Architected the overall structure of the project and how components would interact
* Built a simple GUI for the Tic Tac Toe game

**Personal Website** (Fall 2017) - A professional website with basic information about me and links to relevant websites.

* Skills/Technologies: HTML, CSS, Bootstrap

**RELEVANT COURSEWORK**

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| * CS 225 Data Structures (C++)\* | * CS 233 Computer Architecture\* |  |
| * CS 125 Intro to Computer Science (Java and OOP) | * CS 126 Software Design Studio (Java, Android, C++) | * CS 196 Freshman Honors (Python) |
| * CS 1050 Algorithm Design and Programming I (C) | * CS 2050 Algorithm Design and Programming II (C) | * CMN 101 Public Speaking |
| * Calculus I-III | * Linear Algebra | * Mathematical Statistics |

\*In Progress (Spring 2018)

**SKILLS**

* Languages:
  + Proficient: Java
  + Prior experience/Familiar: Python, C/C++, Octave, HTML, CSS