

James Yang

STUDENT · SOFTWARE DEVELOPER

University of Virginia - Class of 2021 - B.A. of Music and Computer Science

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Sometimes it pays to stay in bed on Monday, rather than spending the rest of the week debugging Monday's code" - Dan Salomon

Summary

- Upcoming Computer Science and Music graduate at the University of Virginia with a strong foundation in software development principles across a wide variety of technologies
- Experienced in object oriented programming. I am able to write, test, and debug code in multiple languages.
- Passionate developer with desire to learn and grow each day.

Professional Experience

University of Virginia

Charlottesville, Virginia

TEACHING ASSISTANT

Jan. 2019 - Present

- Teaching assistant for Advanced Software Development Methods (CS 2110).
- Responsible for working with course professors to help build new curriculum and assignments.
- Held office hours and facilitated lab sections to assist students with learning Java and object oriented programming concepts.

CarMax

Richmond, Virginia

SOFTWARE DEVELOPMENT INTERN - CANCELLED DUE TO COVID

Jun. 2020 - Aug. 2020

- Prospective software development associate.
- Responsibilities would include developing programs for CarMax's website and back-end solutions.

Monticello HS

Charlottesville, Virginia

MATHEMATICS TUTOR

May 2019 - Jan. 2020

- Helped high-school aged students with a wide range of math topics from algebra to calculus.
- Assisted instructors with individual progress checkups and 1-on-1 tutoring.

Education

University of Virginia

Charlottesville, Virginia

B.A. IN COMPUTER SCIENCE AND MUSIC

Aug. 2017 - May 2021

- Rising fourth year skilled in Java, Python, HTML, CSS, JavaScript, PHP, SQL, and AWS

Awards Involvement

KSEA National Mathematics and Science Competition

Richmond, Virginia

1ST PLACE WINNER

- Finished first place at the KSEA National Mathematics and Science Competition for the mathematics category

Sigma Pi Fraternity

Charlottesville, Virginia

PRESIDENT

- Class of 2021 President

Personal Projects

Ellipsis

WEB APP

- Collaborative story-writing platform where users are able to create an account and begin their own stories. User can also add comments, interact, and contribute to other stories,
- Built using PHP, HTML, CSS, SQL
- Hosted using Google Cloud DB and Heroku

Text 2 Speech

PYTHON PROGRAM

- Python program that uses the Midi-Util library to convert input text (.csv, command line input, or .txt) into discrete musical notes.
- Program outputs the translated text as a MIDI file that any commercial digital audio workstation is capable of editing.