

JAMES YANG

112 Montebello Cir APT 11
Charlottesville, VA, 22903
(757)-773-0257
jy4uk@virginia.edu

Third year student at the University of Virginia pursuing a double major in Computer Science and Music. Proficient in multiple coding languages including Java, Python, C++, HTML, and JavaScript.

PROFESSIONAL EXPERIENCE

UNIVERSITY OF VIRGINIA

CS 2110 Teaching Assistant

Charlottesville, VA

Jan 2019 – Present

- Worked with course professors and head TA's closely to help build out course material and assignments.
- Held office hours and facilitated lab sections to assist students with learning Java-related programming concepts and homework questions.
- Contributed to developing new course plans for virtual instruction and online lab/office hours.

MONTICELLO HS

Mathematics Tutor

Charlottesville, VA

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.

SUMMER ENRICHMENT PROGRAM

Counselor/Guardian

Charlottesville, VA

June 2019 – August 2019

- Organized and ran a camp for gifted children across the U.S and internationally.
- Managed and taught a "special topic" course for the children that gave them the opportunity to build a short computer game.
- Acted as the legal guardian for a group of twenty-four different children with a wide range of different abilities and provided care and administered medicines for children with High Spectrum Autism, Narcolepsy, Asperger's, Insomnia, and ADHD.

EDUCATION

UNIVERSITY OF VIRGINIA

Bachelor of Arts in Computer Science and Music, May 2021

Charlottesville, VA

- **(GPA: 3.343/4.0)**

AWARDS AND INVOLVEMENT

- President of Sigma Pi Fraternity c/o 2021
- Presidential Youth Service Award
- American Citizenship Award
- 1st Place Winner KSEA National Mathematics and Science Competition

RELEVANT COURSEWORK

CS2110 (Advanced Software Development using Java) **CS2150** (Program & Data Rep. with C++/Assembly)

CS3102 (Theory of Computation using Python) **CS4102** (Algorithms)

MUSI4545 (Computer Apps in Music using C++) **CS4750** (Database Systems using PHP/SQL)

CS4640 (Web Programming Lang. with HTML/Node) **CS4740** (Cloud Computing using AWS)

PROJECTS AND WORK

- Worked through the summer (2019) on a technical project using Raspberry Pi and Android Development Studio to create an app tracking number of people in an area to help students be aware of how busy a specific location is.
- Text2Speech project is a text sonification project that translates live input or .txt files into discrete MIDI notes based on ASCII character values and direct conversion into MIDI scaling.
- <https://www.github.com/jy4uk>