

Jake Schlaerth

jakeschlaerth.com

614.561.2908

jakeschlaerth1999@gmail.com

Eager to utilize my master's level education in music in the technical sector. Self motivated student with skills in Python and C++, as well as knowledge of algorithms and data structures.

Skills

Python	C++
HTML5	CSS
Javascript	MySQL
Node.js	Arduino
Max/MSP/Jitter	Computer hardware components
Data Structures	Algorithmic Analysis

Education

Oregon State University / Bachelor of Science

Computer Science
Expected December 2020

Rutgers, The State University of New Jersey / Master of Music

Music Performance
September 2015 - May 2017

Ohio University / Bachelor of Music

Music Composition
September 2010 - May 2015

Projects

Python Chess

<https://github.com/jakeschlaerth/Chess>

A game of chess with all rules implemented and a GUI made in Pygame.

Arduino Instrument

<https://github.com/jakeschlaerth/Arduino-Instrument>

An invention funded by the Provost Undergraduate Research Fund utilizing guitar components and an Arduino microcontroller. Programmed using C++ and MaxMSP.

Word Counter

https://github.com/jakeschlaerth/hash_map

A word counting application utilizing a custom hashmap.