

JUSTIN MASAYDA

Software Engineer

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github.com/keysmusician

EDUCATION

Full Stack Software Engineering | Holberton School Jan 2021 – Oct 2021
Machine Learning Engineering | Holberton School Nov 2021 – Sep 2022

TECHNOLOGIES

Proficient with **C++**, **C**, **Python** (TensorFlow/Keras, Pandas, Numpy), **JavaScript** (D3, JQuery), **HTML/CSS**, **Git/GitHub**, **Docker**, **Vagrant**, **Bash**, **Ubuntu**, **VSCode**, **Flask**

Additional experience with **MySQL**, **Django**, **Node.js**, **Nginx**, **Apache**, **HAproxy**, **GraphQL**, **SSH**, **PostgreSQL**, **UncomplicatedFirewall**

PROJECTS

MockingBot | A generative adversarial network designed to generate original audio samples that mimic the training examples.

-Python, TensorFlow, Keras, Jupyter Notebook

Periodic Table of Harmony | An interactive network graph of all possible scales in twelve-tone equal temperament. Demo at: keysmusician.github.io/periodic_table_of_harmony/

-JavaScript, D3

Simple Shell | A clone of the dash command line shell from scratch. Use of the standard library was restricted.

-C, Linux syscalls

Semblance | A social web application designed to facilitate real-life relationships. Developed the backend, improved security, integrated GraphQL, and connected Sendgrid email service.

-Django, Docker, GraphQL

WORK EXPERIENCE

Piano Teacher (2017–2022) *Self-employed, Bristol, CT*

Increased instrument proficiency in over 45 students. Maximized student improvement and enjoyment through individually tailored curriculum. Managed scheduling, billing, and lesson plans.

General Contractor Assistant (2017) *Willndwiga Custom Renovations, Meriden, CT*

Prepared, organized, and transported work site equipment. Assisted construction services. Increased time efficiency by several hours per job.

Youth Leader & AV Technician (2016–2019) *Arsenal Student Ministries, Bristol, CT*

Maintained a safe and engaging environment for dozens of youth in and around Bristol, CT. Facilitated personal and life-skill development. Responsible for front-of-house engineering and audio recording.

SKILLS

Digital Signal Processing, Computer Networking, Software Design Patterns, Calculus, Linear Algebra, Statistics & Probability, Acoustics, Microsoft Office Suite, Jazz Piano, Music Production & Engineering, Piano Tuning