

# VAHN KESSLER

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## EDUCATION

**Wesleyan University**, Middletown, CT

September 2021 – May 2025

*Bachelor of Arts*, GPA: 3.71/4.00

**Major:** Computer Science, Math, Music

**Relevant Coursework:** Special Topics in Computer Science: High Performance Scientific Computing, Computer Networks, Design of Programming Languages, Data Visualization, Discrete Math, Multivariable Calculus, Linear Algebra, 20th Century Composition Techniques, Theory of Jazz Improvisation

**Danish Institute for Study Abroad**, Copenhagen, Denmark

August 2023 – December 2023

**Relevant Coursework:** Game Design and Development: Programming and Practice

**The Juilliard School Pre-College**, New York, NY

September 2018 – May 2021

*Pre-College Diploma*, GPA: A

**Major:** Guitar Performance

**Relevant Coursework:** Solo Guitar Performance, Ensemble Guitar Performance, Chamber Performance

## PROJECTS

**Virtual Escape Room**

Fall 2023

- Developed a 3D virtual escape room in Unity with several puzzles that utilize innovative and creative interactions, a well-crafted layout, a compelling theme, and noteworthy visual effects and graphics.

**Music Time**

Fall 2023

- Developed a 2D platformer video game in Unity with unique, music-based level mechanics. Created all the music from scratch.

**Chess Visualizations**

Spring 2023

- Used R Studio to pull chess.com datasets of the top chess players in the world to make five interactive visualizations mapping openings, ELO, board positions, and player locations.

**Professional Website**

Ongoing

- Created/designed my own professional website, picking up HTML, CSS, JavaScript, SCSS. Learned several JavaScript libraries/APIs such as GSAP and jQuery. Involved third party web app hosting with ShinyApps.io and itch.io

## SKILLS AND INTERESTS

Python, Java, C++, C#, C, Standard ML, JavaScript, HTML, CSS, SCSS, Unity, R Studio, Git, Microsoft Office Suite, Google Workspace, blender, Da Vinci Resolve, Autodesk Inventor, Sonic Pi, Adobe Photoshop, Adobe Illustrator, Adobe After Effects, Adobe Audition, Adobe Premiere Pro, Ableton Live, Logic Pro

## EXPERIENCE

**Tutor, Self Employed**, Fairfield County, Connecticut

August 2020 – Present

- Instructed students in 2+ hour sessions covering a variety of topics including algebra, trigonometry, geometry, machine learning engines, math fundamentals, computer science fundamentals, and guitar.
- Sessions with a preverbal autistic student that delivered a range of music therapies to engage speech, focus and cooperation—required an ability to adapt to a wide variety of client needs.
- Students range from 6 to 17 years of age.

**Intern, RMI Music**, Irvington, New York

June 2020 – July 2020

- Coordinated gigs and hired work such as commercial production for clients.
- Edited the portfolio reel to showcase the most relevant works for prospective projects.
- Organized and repaired manuscripts to develop file and data management skills.