ROBERT A. STRONG

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EDUCATION

University of Colorado | Boulder, CO   **Class of 2024**

College of Engineering & Applied Science, Bachelor of Science in Creative Technology & Design
GPA: 3.162
CU Boulder Presidential Scholarship

Vestavia Hills High School | Vestavia Hills, AL   **Class of 2019**

Concert, Marching, and Jazz Band

TECHNICAL SKILLS & CAPABILITIES

Languages: JavaScript, Jquery, Typescript, HTML5/CSS, Python, PHP, C, C++

Other: Academic Writing, Linux, JS Libraries, Pyscript, Object-Oriented Design Principles, Data Structures, Web Design & Development, Pixelorama, Algorithmic Music Generation, Markov Processes, Autodesk Fusion 360, Arduino, Adobe Photoshop, Adobe Illustrator, and Adobe After Effects, Musical Harmonic Analysis

PROJECTS

Generative Gregorian Chant Web Application Built with HTML, CSS, JS & Python   **Jan. 2024 – May 2024**
cpu-gregorian-chant.com

- Algorithmically generated medieval Gregorian plainsong using Markov processes in Python
- Designed original pixel art and used JS to create an interactive user experience
- Researched plainsong extensively to understand the music of Gregorian Chant and its cultural context

Original Wordpress Theme for Circlebox Company Blog (https://blog.circlebox.com/)   **Jun. 2023 – Aug. 2023**

- Built an original, fully dynamic Wordpress theme with PHP, HTML, and CSS
- Used creative visual design principles to craft a web experience reflective of the company mission

"Choose Your Own Adventure Game" in C++   **December 2022**

- Programmed a Linux terminal game

WORK EXPERIENCE

Guitar Teacher   **Aug. 2022 – Current**

- Teach classical guitar, music skills, and music theory to musicians of various skill levels

Circlebox | Web Design/Developer Intern   **Jun. 2023 – Jul. 2023**

- Used PHP, HTML, and CSS to design and develop an original Wordpress theme

Locker Pro | Birmingham, AL   **Summers 2016 – 2022**

- Served as a locker specialist in schools across the Southeast repairing lockers and resetting unlock codes

Klingler's European Bakery & Cafe | Birmingham, AL   **Oct. 2017 – Aug. 2019**

- Waited tables and served customers working with a diverse team