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: Linux, Data Structures, Web Design & Development, Algorithmic Music Generation, Markov Processes, Autodesk Fusion 360, Arduino, Adobe Photoshop, Adobe Illustrator, Adobe After Effects, Microsoft Office

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
- Used JS and associated libraries extensively to create an interactive user experience

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