

RYAN-ALEXANDER THOMAS

Programmer. Web Developer. Music Educator. Student.

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Work Experience

WEB DEVELOPER – Black Student Association, The Ohio State University – Columbus, OH – October 2015 - Present

- Responsible for maintaining, expanding, and scaling the official website (HaleCouncil.org) that unites student groups concerned with ethnicity, religion, gender, and sexuality.
- Coordinate between affiliated organizations to ensure accurate digital representation.
- Strive to create a visually appealing site that feature user-friendly design and clear navigation.
- Train and educate current/future Hale Council members on web developing and associated duties.

PROGRAMMER – Massachusetts Institute of Technology – Remote – June 2015 - Present

- Write programs in a variety of libraries and computer languages.
- Update and expand existing programs.
- Debug programs by testing for and fixing errors.
- Cooperate with web designers to match visual design intent.

MUSIC TEACHER / BAND DIRECTOR – St. Theresa Catholic School – Houston, TX – January 2013 - August 2015

- Plan a balanced music program, and organize daily class time so that preparation, rehearsal, and instruction can be accomplished within the allotted time.
- Provide students with an opportunity to participate in extracurricular band activities and ensure compliance with all state, University Interscholastic League (UIL), and district requirements.
- Instill knowledge of materials and repertoire for students at different stages of their musical development.
- Establish and maintain standards of pupil behavior to provide an orderly, productive environment during practice, group rehearsals, and music performances.

Education

THE OHIO STATE UNIVERSITY (2015-2019)

- B.S. Computer Science & Engineering
- Minor: Music Theory
- 2015 African American Homecoming King (\$500 Academic Scholarship)

UNIVERSITY OF HOUSTON (2013-2015)

- 3rd place Electrical Engineering Competition 2015

Expertise

PROGRAMMING

-Languages: JavaScript, Java, C++, HTML, CSS, Swift
-Frameworks: AngularJS, Node.js, Materialize, React.js, Django
-Platforms: Meteor, JVM
-Text Editors: Atom, Xcode

MUSIC THEORY

-Composition & Arranging
-Song Structure/Form
-Jazz/Blues Theory

WEB DEVELOPMENT

-Server & Client Maintenance
-Google Console Developer
-Front-end Interface
-Wix/Weebly/Wordpress

MUSIC PERFORMANCE

-Piano
-Saxophone (Tenor & Soprano)
-Bass (Upright & Electric)

TEACHING

-General Music Theory
-Jazz Theory & Composition
-Physics & Calculus
-Programming Languages & Frameworks.
*Teacher's Certification (2013)

AUDIO ENGINEERING

-Recording/Mixing/Mastering
-DAWs: Ableton, Logic, Studio One, Reason, Pro Tools