ANDY MCBEATH - SOFTWARE ENGINEER

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SKILLS
Languages: Ruby, JavaScript, HTML, CSS,
Frameworks: Ruby on Rails, Vue.js, Bootstrap, React
Databases/Libraries/Tools: Postgres, APIs, Git, GitHub

WEB DEVELOPMENT PROJECTS
Noted - A Collaborative Sheet Music App
- Backend RESTful API using MVC architecture built with Ruby on Rails that allows users to view and edit sheet music collaboratively
- Frontend multi-page application built with npm, webpack, Vue.js, Bootstrap
- Secure authenticated user profiles using JSON web tokens
- Embedded the flat.io SDK to view and edit sheet music
- Backend deployment with Heroku and frontend deployment with Netlify

Work Journal (Link) - an ongoing record of coding learning including new technologies and industry research

EDUCATION
Actualize Coding Bootcamp | Certificate in Full-Stack Web Development   **May 2022 - September 2022**
A four-month full-stack web development Bootcamp. Core technologies included Ruby, Rails, JavaScript, and Vue.js. Special emphasis on API-driven development, version control with Git, professional tooling, team collaboration, and continual learning.
New York University | Master of Arts in Music Performance   **2012**
University of Illinois at Urbana-Champaign | Bachelor of Arts in Music Performance   **2010**

EXPERIENCE
Music Supervisor, Band and Orchestra   **August 2018 - August 2022**
Lake Forest High School
- Led a group of 35 student musicians in preparing for and playing in year-round concerts and festivals and on international tours in Europe
- Wrote and arranged 5 pieces of original music for the percussion ensemble, drum line, and jazz band
- Designed unique printed programs for 8 concerts a year using Adobe InDesign
- Maintained all department equipment by tracking inventory, making repairs as needed, and researching new equipment to acquire

Organist and Choirmaster
Presbyterian Church of Barrington | Church of the Holy Spirit   **November 2012 - Present**
- Directed and accompanied 30 members of the Adult Choir for weekly rehearsals, preparing them to lead 150 parishioners in singing up to 6 songs a service
- Developed the process for including music in virtual services by collecting recordings of singers, using Final Cut Pro to edit and synthesize videos, and incorporating them into worship services
- Taught music theory and fundamentals of singing to 20 members of the Saint Gregory's Children's Choir, differentiating instruction based on each member's skill level and assigning them to appropriate roles