Jeff Ashear
Full Stack Developer

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GitHub: https://github.com/Jeff-Ashear
Portfolio: https://jeff-ashear.github.io/

About

Award-winning composer with relevant experience building object-based virtual instruments, sound-sculpture, and interactive installations. I enjoyed programming audio tools and toys immensely, and so went on to become a software developer. I have a genuine passion for designing clear, attractive, intuitive UX/UI that creatively guides users through their information, making complex tasks feel playful and engaging.

Skills

Languages: Javascript, MaxMSP, PureData
Front-end: React, JQuery, D3.js, Angular.js, Bootstrap4, CSS, HTML, Handlebars
Back-end: Node.js, Express.js, JSON, RESTful APIs
Data: SQL, MongoDB, MySQL Workbench, Robo 3T, Mongoose, Firebase
Quality: Postman, Agile (Scrum, Kanban), Source Control (GIT), Testing (Protractor)
Other: Heroku, Logic, SPEAR, Ableton Live, Max for Live, cueMix, REAPER, Audacity
Currently learning: Ruby on Rails, Python

Experience and Projects

teamlims / Application Developer **https://teamlims.com/**
2020-Present, Spokane WA
Developed an enterprise Laboratory Information Management System:
- Developed work order status system and scheduling system and integrated the two with a location catalogue
- Developed workflow and interface for the status and scheduling systems
- Modified existing test architecture to make it easier to separately run function tests and work flow tests by modularizing Protractor script files
- Wrote scripts to test work order and scheduling function as well as workflow

Developed a new CRM **https://crm.teamlims.com/#/signup**
- Designed a clean, uncluttered aesthetic using and building on existing branding
- Co-designed UX for making tickets and support as easy for end-users as possible
- Implemented form and field validation
- Built a chat system for handling tickets

Developing a user-focused, AI assisted team management application, SquadRun:
- Assisted in conceptual design to focus on team health and member growth
- Designed and built Registration/Login/Recovery pages
- Built landing space and toolbar following mockups and direction
- Designed logo and participated in branding

Creative Blue Media / Full-stack Web Developer
June-August 2020, Spokane, WA
Developed a full-featured Client Dashboard

- Designed and built a D3.js/React powered interactive radial bar graph that:
  - intuitively communicates progress of one or multiple projects
  - scalable to show various levels of detail
  - interactions reflect and are reflected by the state of other page elements
  - shows clients the relationship between their money and our work
  - prototype repo: https://jeff-ashear.github.io/Sunburst/
- Co-designed workflow and site architecture
- Co-built a chat client and notification system using React and SQL
- Co-built an automated work order-generating questionnaire using React and SQL
- Co-built a billing system using the Stripe API

Self-Employed / Composer
2009 - 2020, Denver, CO

- Composed and performed award-winning works of music
- Ensemble coaching
- My music has been performed in concert halls across the U.S. and Europe in concert halls at recitals, conventions, and competitions
- My music pushes the boundaries of the art utilizing the latest technologies to invent entirely new performance practices and immersive, challenging listening experiences
- Invention of paleographic solutions to clearly communicate performance technique extensions and manage musical complexity through traditional notation

Education

University of Denver – *Coding Bootcamp*

Certificate course covering full stack web development and methods for continued study

University of Denver – *Master of Music, Composition*

Developed my own path of independent study to incorporate digital tools into modern concert music creation. Softwares include Logic, MaxMSP, PureData, SPEAR, Ableton Live, Max for Live, cueMix, custom tools for decoding and specialisation

Montana State University, *Bozeman* – *Bachelor of Arts, Music*

Specialization in classical guitar performance, recording engineering and composition

Graduated with honors

Awards

Multiple competition awards for new works of music and programming at major national and international conferences including SEAMUS and Sonorities.

DU Outstanding Composer, Lamont School of Music

DU Playground Commission Award, Lamont School of Music

MSU Community Service Award

MSU Award for Excellence