

BRIAN RANDALL

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TECHNICAL SKILLS

Languages: Java, Javascript (ES6, Node.js), TypeScript, HTML, CSS, Python, SQL, C, C#

Frameworks: Spring Boot, Maven, Express, Flask, Django, Node.js, React, Mongoose, JSP, OSC, Selenium, Cypress

Databases: MySQL, Microsoft SQL, PostgreSQL, MongoDB, DynamoDB

Tools: Git, Terminal (unix / zsh shell), Linux, OSX, Postman, AWS, MySQL Workbench, REST API, JSON, Adobe Creative Suite (Photoshop, AfterEffects, Premiere Pro), MAX/MSP

TECHNICAL PROJECTS

Full Stack Developer || *twitter.lite*

[GitHub](#) | [Live Site \(AWS\)](#)

Full stack twitter - style web app using *React, Java, Spring-Boot, REST API, MySQL, AWS (EC2), bcrypt*

- Developed full stack Twitter-style web app deployed on AWS EC2 Ubuntu and RDS
- Designed RESTful API to manage data transfer from React to MySQL database using Java Spring Boot
- Ensured password and personal user information authentication was validated via bcrypt

Full Stack Developer || *tinder clone*

Full stack tinder - style dating web app using *React, Express, Node, PostgreSQL*

- Developed full stack 'dating app' style webapp to be deployed on AWS EC2 and RDS
- Utilized JWT to ensure secure access and user anonymity
- Custom made CSS for layout and forms

Full Stack Developer || *babylon dot com*

[GitHub](#)

Full stack eCommerce clone of Amazon using *MongoDB, Express, React, Node.js, Faker API, Stripe API*

- Leveraged Faker API to auto generate thousands of fake products and books
- Utilized Stripe API for cart and checkout
- Designed landing page graphics in Photoshop

Installation Developer || *body language*

[GitHub](#)

Fully integrated interactive system to process and send input data using *MAX/MSP, MadMapper, OSC, Ableton Live, Quartz Composer, JavaScript*

- Built network to transfer data via OSC from WiFi Arduino shield to MAX/MSP
- Designed visual elements to be projected onto various physical elements around the space. Utilized Ableton Live for sound design, and Live API to manipulate interface and audio

Developer and Editor || *wild man (music video)*

[VDMX blog post](#) | [Creators Project \(VICE\) feature](#)

Live music video featuring real time projection mapping and sequenced lights built with *MAX/MSP, OSC, Arduino, Ableton, XBox Kinect, MadMapper, QuartzComposer, Syphon, DMX, VDMX*

- Created enough momentum for the song that it became a featured track on EA Sports UFC 2 video game
- Utilized IR camera from XBox Kinect to develop a dual-layer real-time video mask to be projected onto subject
- Home built DMX light controller with Arduino and DMX shield programmed to receive serial messages sent from MAX/MSP over USB to synchronize a series of lights
- Amassed over 500,000 views on final project and was featured on VICE's Creators Project

PROFESSIONAL EXPERIENCE

Full Stack Engineer || *Tensorpunk*

2023 -

- Collaborated with a small team to build TOME, an AI / ML audio sample production SaaS web app
- Performed platform engineer duties, created backend (python/flask), frontend (React), and database (PostgreSQL) infrastructure including end-to-end and unit testing frameworks
- Built CI/CD pipelines using AWS and Github to automate efficient testing and deployment
- Conducted testing to ensure quality control and efficient operation of the platform

General Contractor || *Blue Meadow Builders LLC*

2019 - 2022

- Designed and implemented plans for remodels, new construction ADUs, on average 2 - 3 a month
- Interfaced with clients and suppliers to negotiate finances and material orders
- Set and met aggressive product deadlines, always within estimated completion date window

Senior Digital Marketing Manager || *Sargent House*

2017 - 2019

- Designed merch, tour posters, and CD/Vinyl layout art for world renowned bands and artists
- Created digital marketing strategies for print and web, utilizing images, video, motion graphics, ad campaigns resulting in global media attention and increase in fanbase
- Worked directly with clients to ensure the final product was most representative of their ideas

EDUCATION *Colorado Technical University*

Full Stack Development Certificate in Python, Java, and Javascript (MERN) // [Coding Dojo](#)

2022