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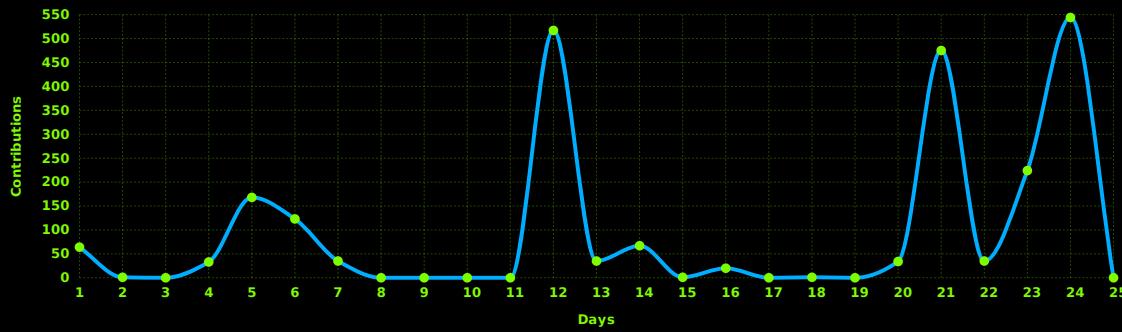
I am a musician, electrical engineer & web developer

Please note that this website is in development and is often broken!



netlify Success

This is Bryans Activity



Q. What is a pirate's favorite programming language?

A. You'd think it was R, but a pirate's first love is Objectively C.

Python HTML CSS JavaScript React Node.js Visual Studio Code Docker MongoDB PostgreSQL Git

GitHub GitLab Markdown

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A Quick Guide To Big O

Memoization, Tabulation, and Sorting Algorithms by Example

Why is looking at runtime not a reliable method of calculating time complexity?

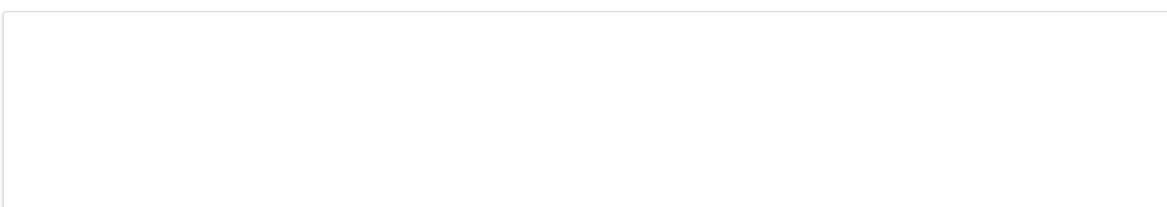
[Get Started →](#)



Python Guide

Python has a built in help function that let's you see a description of the source code without having to navigate to it... "-SickNasty ... Autor Unknown".

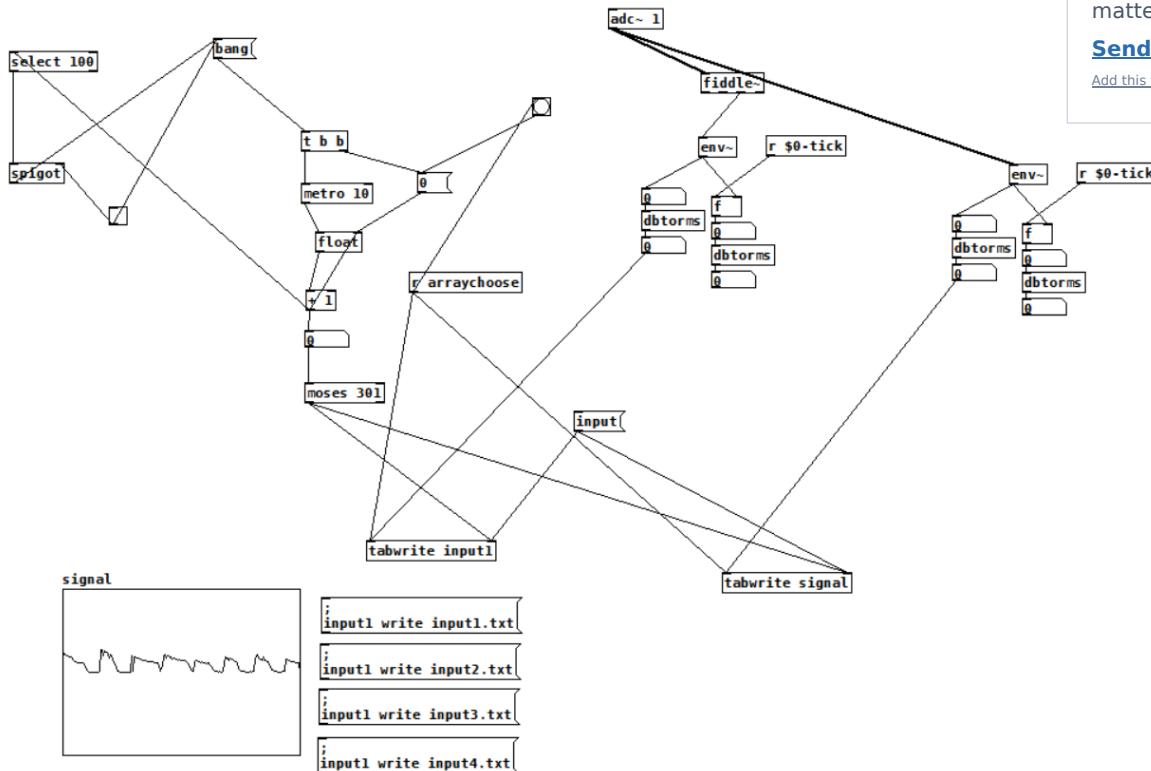
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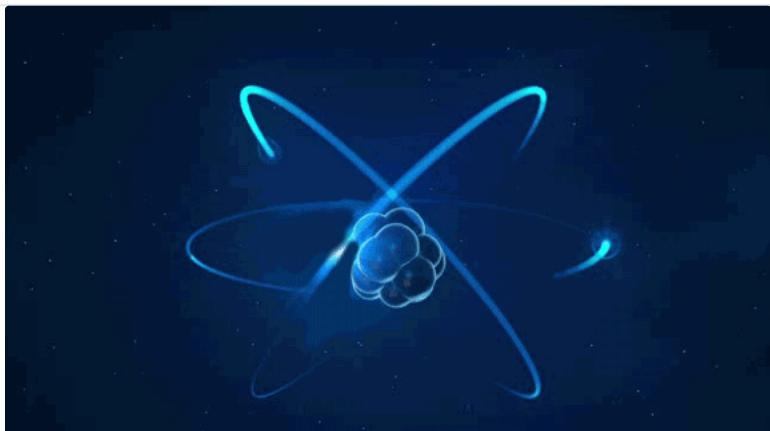
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Guitar Effects Triggering w DTW

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Beginner Guide React

As I learn to build web applications in React I will blog about it in this series in an attempt to capture the questions that a complete beginner might encounter that a more seasoned developer would take for granted!





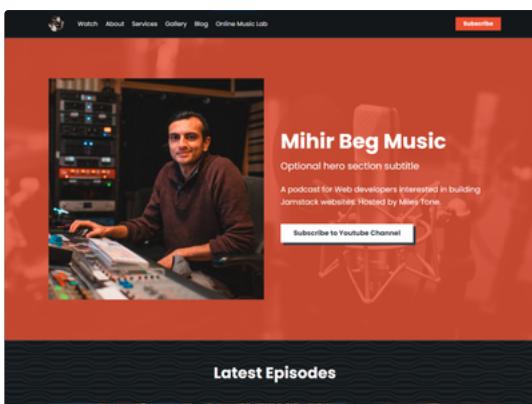
Order in which functions are **called**

Order in which functions are **written lexically**

Scope & Closure

Scope & Context in JS

The **scope** of a program in JavaScript is the set of variables that are available for use within the program.



Web Audio Daw

PostgreSQL Cheat Sheet, Everything You Need to Get Started With VSCode

- Extensions & Resources, Super Simple Intro To HTML, Understanding Git... etc....

Current Interests

From github repositories to existential questions.

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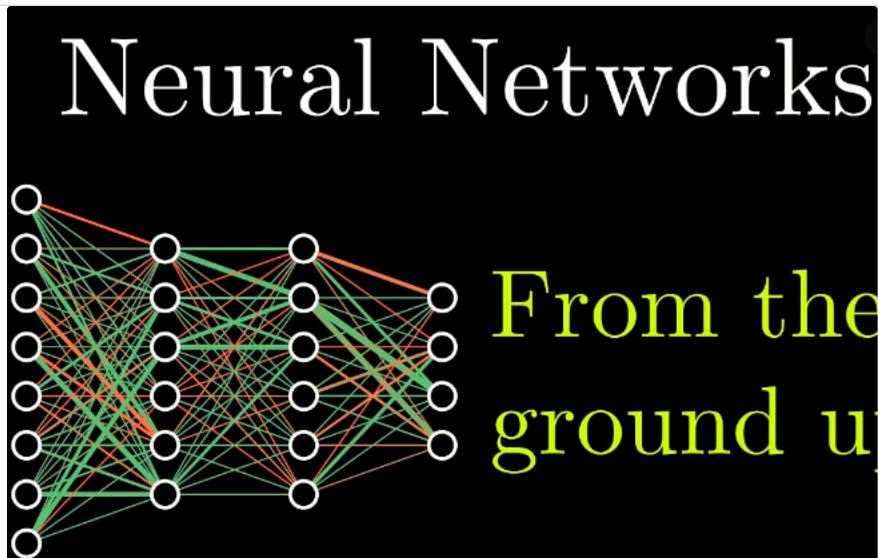
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algolia

[Angolia](#)

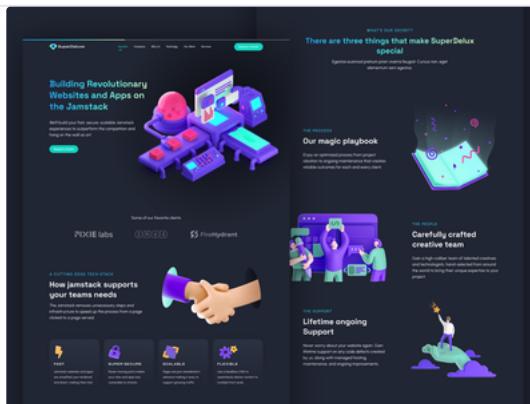
Full Text Search

[Full Text Search](#)



[Convolutional Neural Networks](#)

Artificial neural networks, usually simply called neural networks, are computing systems vaguely inspired by the biological [neural networks](#)



[Jamstack](#)

Why Jamstack Jamstack is the new standard architecture for the



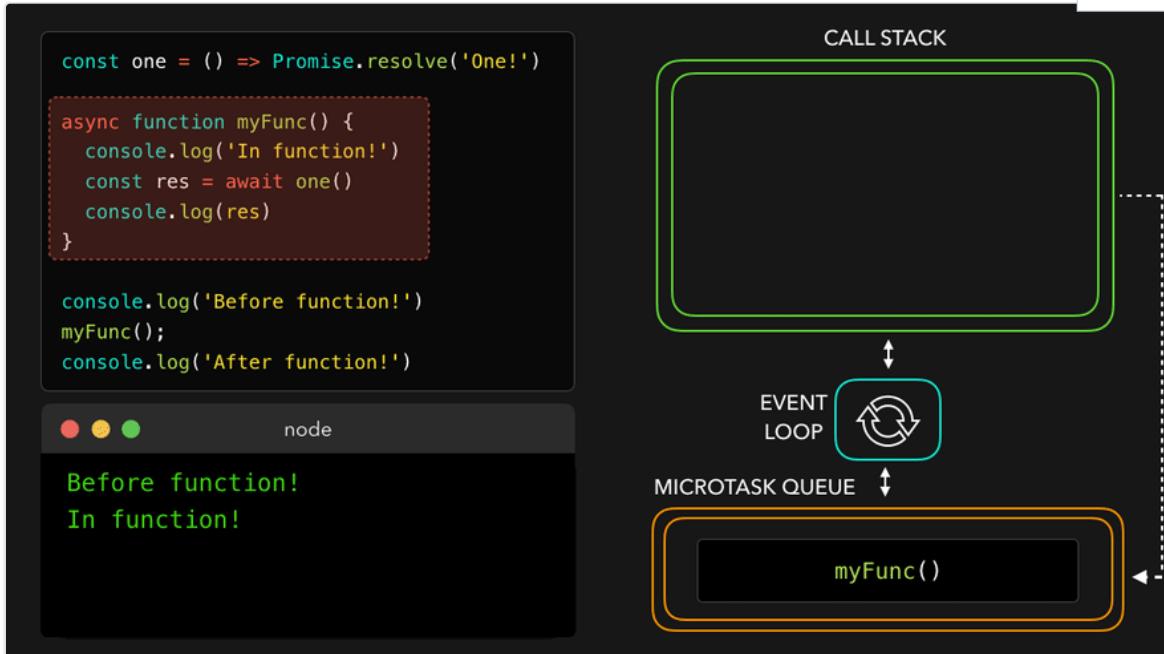
Why Jamstack Jamstack is the new standard architecture for the web. Using Git workflows and modern build tools, pre-rendered content is served to a CDN and made dynamic through APIs and serverless functions. Technologies in the stack include JavaScript frameworks, Static Site Generators, Headless CMSs, and CDNs.

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Asynchronous JavaScript

The term **asynchronous** refers to two or more objects or events **not** existing or happening at the same time (or multiple related things happening without waiting for the previous one to complete). In computing, the word "asynchronous" is used in two major contexts.



NJ Devils

New Jersey Devils Hockey Team
(Hockey in general)

Team identity



The old green style jerseys used from 1982 to 1992. The jerseys used from 1992 to 2017. Sean Avery of the New York Rangers attempts to distract Brodeur during the 2008 Stanley Cup playoffs. The playoff series was the fifth to feature the Devils-Rangers rivalry.

[lorem-ipsum →](#)



ITER Fusion Reactor Experiment (Southern France)

Break Even Nuclear Fusion Candidate



In December, researchers at the Joint European Torus (JET) started conducting fusion experiments with tritium — a rare and radioactive isotope of hydrogen. The facility is a tenth-volume mock-up of the US\$22-billion ITER project and has the same doughnut-shaped 'tokamak' design — the world's most developed approach to fusion energy. It is the first since 1997 that researchers have done experiments in a tokamak with any significant amount of tritium.

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Resume & Portfolio



Bryan Guner
551-254-5505 | bryan.guner@gmail.com



Skills:

Languages: JavaScript ES-6, NodeJS, HTML5, CSS3, SCSS, Bash Shell, Excel, SQL, MATLAB, Python, C++
Frameworks / Libraries: React, Redux, ExpressJS Gatsby, NextJS, Ant-Design, LESS/SCSS, Loadash, Jest, Sequelize, GraphQL
Databases: PostgreSQL, MongoDB, SQLite3
Tools: Figma, Git, AWS S3, Heroku, Docker, Jira, Trello, Confluence, Netlify, Digital Ocean, VSCode, Google Analytics,
Operating Systems: Linux, Windows (WSL), IOS

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Projects

Gatsby-GraphQL-Blog

JavaScript, React / Gatsby | GraphQL | SCSS | Lodash | Jamstack | Facebook Comments API | jQuery

A [web development blog](#), featuring convenient web development tools and interactive content.

- Implemented several Gatsby page models and GraphQL schema to fetch markdown content and feed it into react components.
- Designed and integrated a set of convenient web-hosted [developer tools](#) and GUI interfaces.
- Added interactive content including comments, [video conferencing](#), [data-structure visualization](#), [games](#) and full text search.

[Live Site](#) [GitHub](#)

Autonomously Triggered Guitar Effects Platform

[Live Site](#) [GitHub](#)

C++ | Python | MATLAB | PureData

[Platform](#) designed to analyze a time sequence of notes and autonomously trigger guitar effects at a predetermined point in the song.

- Successfully completed and delivered a platform to digitize a guitar signal and perform filtering before executing frequency & time domain analysis to track a current performance against pre-recorded performance.
- Implemented the Dynamic Time Warping algorithm in C++ and Python to autonomously activate or adjust guitar effect at multiple pre-designated sections of performance

Family Promise Service Tracker

[Live Site](#) [GitHub](#)

React | ExpressJS | Figma | Okta

An [app](#) built to helps local communities coordinate their compassion to address the root causes of family homelessness.

- Collaborated on state management using Redux to handle application state and middleware using redux-promise & redux-thunk.
- Built two graphic visuals of the user hierarchy and the scope of their permissions.
- Created Figma UI mockups of possible future developments, i.e., displaying metrics data and map pinpoint functionality.

Experience

Product Development Engineer | Nov 2019 - Mar 2020

[Cembre](#), Edison, NJ

- Converted client's product needs into technical specs to be sent to the development team in Italy.
- Reorganized internal file server structure and conducted system integration and product demonstrations.
- Presided over internal and end user software trainings in addition to producing the corresponding documentation.
- Served as the primary point of contact for troubleshooting railroad hardware and software in North America

Product Development Engineer | Nov 2019 - Mar 2020

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Education

[Lambda School](#), Full Stack Web Development

May 2020 - Nov 2021

Six-month immersive software development course with a focus on full stack web development. Over 2000 hours of work invested including class time, homework, and projects.



B.S. Electrical Engineering, TCNJ, Ewing NJ

2014 – 2019

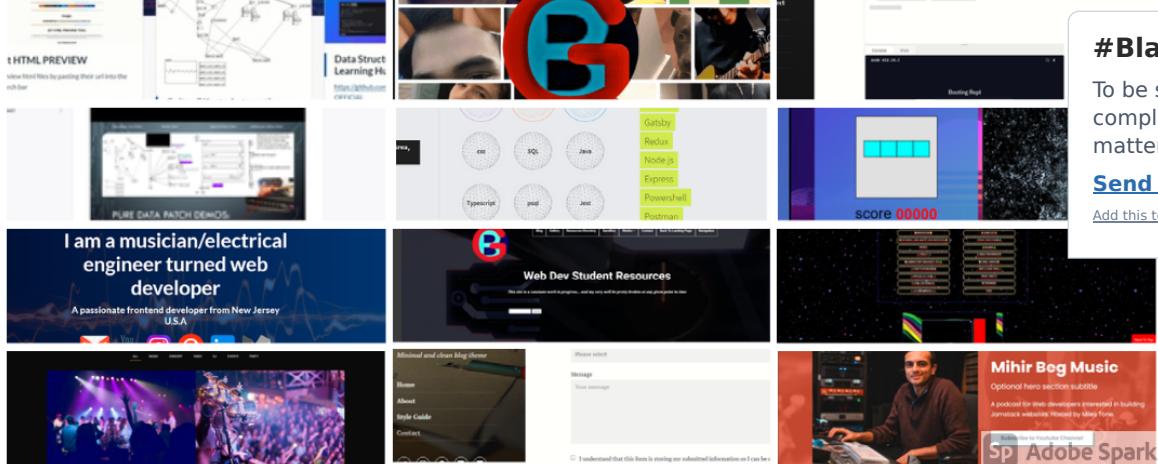
Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.



Resume

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Blog-Archive-And-Mini-Projects



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Web-Dev-Hub is my personal blog and documentation site

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Reference materials and descriptions of fundamental concepts as well as visualizations.

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Content

In this section you'll learn how to add syntax highlighting, examples, callouts and much more.

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Data Structures

In this section you'll learn how to add syntax highlighting, examples, callouts and much more.

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Docs

Documentation

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FAQ

In this section you'll find commonly asked questions regarding the Libris theme. If you have questions, don't hesitate to ask us directly.

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Interactive

feel free to try the examples



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Javascript

Javascript articles and docs

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Interviewing

These are some of my active projects.

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Leetcode

feel free to try the examples

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Projects

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Python

Python

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QuickRef

In this section you'll find basic information about Web-Dev-Hub and how to use it.

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React



To make it easy to write documentation in plain Markdown, most React are styled using
Markdown elements with few additional CSS classes.

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Reference

helpful reference guides

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Tools

See some interesting tools developed by the Web-Dev-Hubcommunity to help automate
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Tips

lorem-ipsum

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Tutorials

Walkthroughs of various development activities and skills

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