
Greg Driza

Software Developer

484-889-2724 | gdriza@uarts.edu | GitHub: [gregDriza](https://github.com/gregDriza)

Fullstack developer with passion for innovative design, interface and algorithms alike. I arrived at programming through investigating the intersection of music and technology, but fell in love with code as a swiss-army knife for solving a wide array of problems in the modern world. My strengths are in my creative sensibility, big-picture thinking skills, and small team collaborative experience.

TECHNICAL PROJECTS

Public Domain Reader - [GitHub](#) - *An interface to Project Gutenberg's collection of digitized books. Users can browse, collect, and read books in their browser.*

- + Restructured and sanitized 2000+ pages of JSON data from Gutendex API for use in local database.
- + Built Rails backend to store and associate relevant book data.
- + Built React frontend to allow users to browse database of over 60,000 books, categorize books in their own collections, and read HTML version of book in the browser.
- + Styled with Semantic-UI

Spotify InterFacelift - [GitHub](#) | [Demo](#) - *This is a react app that provides an alternative interface to Spotify's music database. Users can browse music and play music.*

- + Accessed Spotify data from 20 different endpoints.
- + Used simple Node server for OAuth.
- + Designed new interface with React and Semantic UI.

Departure Times - An Uber Code Challenge - [GitHub](#) - *An Uber interview question. Users can see bus departure time and real-time bus locations for every bus stop in San Francisco.*

- + Used Google Place Api to access coordinates for locations around SF.
- + Uses 511 public transportation API to access bus stop locations, departure times, and real-time bus positions.
- + Used Google Maps Api to plot user's position, stops within walking distance, and bus locations.

PROFESSIONAL EXPERIENCE

Night Kitchen Interactive, Philadelphia, PA

Research + Development Intern, *May 2016 - August 2016*

- + Worked as developer on an interdisciplinary of programmers, designers, and 3D artists.
- + Wrote C# code in Unity 3D for educational mobile application.
- + Implemented Vuforia augmented-reality platform and implemented location awareness with Gimbal RSSI Beacons.

Freelance Game Development, Philadelphia, PA

Freelance Programmer, *February 2016 - May 2016*

- + Worked as developer with animator to build mobile game in Unity 3D and C#.
- + Designed procedural algorithms for balanced "infinite runner" style gameplay.
- + Available for Android devices on [Google Play Store](#)

Pre-College Game Programming Course, Philadelphia, PA

Teaching + Tutoring, *February 2016 - March 2016*

- + Co-taught class of 16 high school students.
- + Helped students design and build games of their own design.
- + Taught C# programming concepts in the Unity environment.

Data Garden, Philadelphia, PA

Research + Development Intern, *May 2014 - August 2014*

- + Designed and built interactive audio-visual installations with biofeedback technology as an intern.
- + Worked with small team to produce crowdfunded biofeedback music device [MIDI Sprout](#)
- + Wrote code in Pure Data, Arduino, Max/MSP and did sound design in Ableton Live.

TECHNICAL SKILLS

- + Javascript
- + Ruby
- + C#
- + Rails
- + React/Redux
- + Materialize
- + Bootstrap
- + Semantic
- + Unity
- + Processing
- + MaxMSP

EDUCATION

Flatiron School

New York, NY - *February 2018*

- + Full Stack Software Engineering Immersive program

The University of the Arts

Philadelphia, PA - *May 2017*

- + Bachelor of Fine Arts degree in Interactive Digital Media / Music

The University of Pennsylvania

Philadelphia, PA - *July 2015*

- + CS 110 Introduction to Computer Programming