

# Ryan McGill Web Developer + Electrical Engineer

I'm Ryan McGill, an electrical engineer with three years of experience developing software to enhance the analytics tools of Samsung's largest semiconductor fab in America. I just moved to San Francisco, and I am seeking a role where I can contribute with my engineering and creative background.

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ryanjamesmcgill.github.io

## Work Experience

06/2016 - 08/2016

#### Full Stack Web Developer

#### YourTime

Startup that offers a way for customers to book auto services to be completed during their workday.

#### Tasks/Achievements

- Converted abstract business requirements into a concrete web application that provided the company with a product that is used to build their client base.
- Integrated with payment platform, Stripe and authorization platform, Auth0. Technologies included React, Redux, Node.js, MongoDb, and Heroku.

06/2013 - 04/2016

### Process Engineer II

#### Samsung Austin Semiconductor

The largest Samsung semiconductor fab in America producing 40,000+ 14nm wafers per

#### Tasks/Achievements

- Created the 'Worklist Generator', a client side web application that became an integral component in our standard operating procedures.
- Invited to present at the annual Samsung Idea Fair for developing the 'Tip Table Visualizer', an excel macro that boosted visibility of the factory equipment status by 200% greater than the conventional tool.
- Received a Samsung DRIVE award for key contributions to the 14nm Oxide Bridge Reduction team by developing a Spotfire monitoring dashboard that simplified identification of failing equipment over the 250+ chamber fleet.

05/2011 - 07/2012

# Lead Instructor

## iD Tech Camps

#### Tasks/Achievements

 Mentored a team of 4 instructors to run weekly classes for subjects spanning C++/Java programming, 3D modeling, photography, web mastering, and video game design.

02/2011 - 05/2013

## **Audio Engineer**

## Big Orange Recording Studio

## Tasks/Achievements

 Mastered audio recordings for the website Daytrotter that published to a national audience of 70,000+ listeners.

## **Education**

09/2009 - 05/2013

### **BS Electrical Engineering**

The University of Texas at Austin

## Skills & Competences

React + Redux		ı	
node.js			•
UX/UI	_		
MongoDb			
Docker			
Circuit Design & PCB Layout			

## **Achievements**

Conference Speaker at 2015 JUCE Summit in London

Samsung DRIVE Award Q4 2015

Presented at the Samsung 2015 Idea Fair

UT ECE 2013 Senior Design Competition 2nd Place

# **Projects**

#### YourTime Website + Application

Web app developed for a startup called YourTime with React, leveraging Stripe and Auth0 services. [yourtime-dev.herokuapp.com]

#### Samsung Worklist Generator

Web app that extends the capabilities of proprietary Samsung software. [github.com/ryanjamesmcgill/worklist-generator]

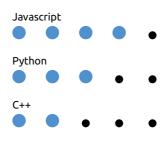
#### Javascript Musical Instrument

Interactive Javascript musical keyboard that utilizes the Web Audio and Web Midi APIs. [farfisaofthefuture.com]

#### Embedded Linux Audio Sampler

Software and hardware design of an embedded linux based musical instrument. [github.com/ryanjamesmcgill/Audio-Sampler-Selector]

## Programming Languages



### Interests

Internet of Things | Audio Recording | Vintage Analog Electronics | Guitars | Synthesizers