



# TOM GRIFFEY

*Full Stack Software Developer*

Los Angeles, CA

## Projects

<b>iTunes Data Pipeline</b>	ETL pipeline to download a 1TB database from a third-party server to S3 and ingest into a Redshift cluster or Postgres RDS instance. Uses Bash, RDS, Redshift, EC2 and Luigi (Python).
<b>Music Metadata Cleansing Framework</b>	Framework to generate business insights from music metadata using a de-duplication algorithm that matches disparate datasets with one another. Uses Scrapy (Python), Luigi (Python), RDS and a 3rd-party data science library.
<b>Intelligent Questionnaire</b>	Web application for constructing question and answer sets. Backend serves questions based on user input, similar to TurboTax. Uses Slim (PHP), JavaScript and MySQL.
<b>Metadata Interface</b>	Web application to upload a CSV and match its contents to a database using SQL queries. Uses Flask (Python), Postgres RDS and Heroku.
<b>Synthesys</b>	Web application for playing musical instruments in the browser using the computer keyboard. Uses Web Audio API (JavaScript), AngularJS, Firebase and Sass/CSS3.

## Technologies

<b>General Purpose</b>	Python, JavaScript, PHP, C#
<b>Front End</b>	HTML5/CSS3, Sass, Bootstrap, Illustrator/Photoshop, Wordpress, AngularJS
<b>DevOps/Cloud</b>	Git, Mercurial, Bash, Powershell, Heroku, AWS
<b>Data Engineering</b>	PostgreSQL, MySQL, Luigi (ETL)
<b>Music Industry</b>	DDEX, Discogs API, Spotify API, Amazon API, Pro Tools

## Experience

<b>*Saha</b> Software Developer	Build marketing website and draft technical specifications for Saha, an organization providing virtual healthcare to refugees. Develop Android prototype for messaging app that connects Arabic-speaking doctors in the U.S. with Syrian refugees.
<b>*Timerdoro</b> Software Developer	Re-engineer existing productivity web app as a desktop application using modern JavaScript frameworks and tools such as React and Electron.
<b>Dart Music, Inc.</b> Software Developer	Solved difficult, industry-wide problems in a fast-paced startup environment. Built systems to cleanse and de-duplicate millions of rows of metadata and deliver to major music industry clients in a multitude of formats. Integrated client data with various third-party sources, resulting in more complete metadata for the music industry and better discoverability for artists and songwriters.
<b>ALS Association</b> Data Analyst	Optimized data collection and querying of medical equipment rentals and donations. Streamlined a medical equipment rental program for patients. Researched grant makers and wrote grants to obtain funding.

*\*Contract/freelance work*

## Education

<b>Nashville Software School</b>	Designed and implemented code projects in a collaborative setting, utilizing up-to-date trends in computer science and development.
<b>New York University</b>	B.A. in Music. Graduated Magna Cum Laude in three years with coursework in music theory and audio engineering. Studied abroad in Buenos Aires, Argentina.