

# JACQUES MATHIEU

web/software developer  
seeking full-time opportunity

## EDUCATION

Northeastern University Boston, MA  
Khoury College of Computer Sciences 09/2014 – 03/2019  
bachelor of science in computer science & music  
dean's list | past 2 semesters

Cranbrook Kingswood High School Bloomfield Hills, MI  
FTC robotics team co-captain & lead software dev. 2009-2014  
AP scholar & FTC world championship finals '10, '11, '14

## WORK EXPERIENCE

Massachusetts' Office of the Attorney General Boston, MA  
Business Applications Developer – Co-op 01/2018 – 07/2018

- created data ingestion and conversion capability of Mass. Board of Bar Overseers website for internal attorney staff database usage
- maintained office-wide public intake system configured with Hyland OnBase
- facilitated development of new litigation management system for attorneys using OnBase
- standardized stylesheet for all views in intake system, and litigation management system
- utilized Agile lifecycle stratagem to efficiently implement new goals each sprint
- conducted user feedback and discovery work meetings for developing system improvements
- utilized Python and data analytics to aid decision making
- other responsibilities including creating projects to improve team workflow





Harvard Innovation Labs: SparkCo, Inc. Boston, MA  
Web Architect – Co-op 01/2017 – 07/2017

- created sales agent view, admin view, and client facing view for sales business application
- gamified platform with design & implementation of scoring system for agents using PHP, MySQL and JS
- automated client setup process using PHP, MySQL, & dynamically generated HTML
- built automatic billing system to charge clients using CRON jobs, PHP & Stripe.io
- developed dynamic web-based file editor for non-technical admins
- assembled MySQL database to accommodate 1M chat transcripts for future analytics


Danlaw, Inc. Novi, MI  
Web Developer Intern – Co-op 06/2015 – 09/2015


- developed UI and UX for VECO 2.0 Website, a website used by Danlaw clients to search and compare the compatibility of various OEM car models with Danlaw datalogger versions
- collaborated with graphics designer to streamline website interaction, completed admin view of website
- edited frontend using CSS and HTML and used AngularJS and MongoDB to extract backend data for display


## CONTACT


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 (248)-410-5877  
 [tinyurl.com/jmath-portfolio](http://tinyurl.com/jmath-portfolio)  
 229 Saxon Ct., Rochester Hills, MI


## TECHNICAL SKILLS

 Java, Python, VBA, R, C, RobotC, ACL2s, Racket.  
*Working knowledge: Obj C, Assembly*

 CSS, HTML, SASS, React, JS, PHP, Bootstrap, JQuery, Kendo UI, Angular

 SQL, Apache CouchDB.  
*Working knowledge: MongoDB*

 Github, Atom, Brackets.io, PyCharm, VIM, TMUX, Sublime, Notepad++, Eclipse IDE, Netbeans

 Expert in Ableton Live, Max/MSP, Adobe Photoshop, Hyland OnBase, Microsoft Office

## OTHER SKILLS

Business level of the French language

Classically trained pianist; playing for ~16 years

Electronic music producer (my work can be found using the link to my website above)

jacques  mathieu

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## PROJECT EXPERIENCE

### Music File Organizer

Tech Stack

Personal Project | Time dedicated: 6 mo.

Java, Maven, Netbeans, Swing, AWT

Goal: create a program to help me move my music files and update their metadata

- program detects newly downloaded audio files and prompts user to update the metadata (if it is missing)
- converts '.wav' files into '.mp3' files automatically to ensure audio file type consistency, to maximize computer storage efficacy, and to enable full metadata manipulation
- created simple GUI using Netbeans, Java AWT and Java Swing graphical components libraries
  - o main page consists of 3 buttons, one to move audio files from the downloads folder to an editing directory, one to edit these audio files and a third to move the edited files to the destination folder
- editing view automatically fills album name based on entered track title (since most of my songs are singles)
- same view inserts given artist name as the album artist (since the artist of a song is likely the artist of the album)
- created custom configuration file type '.musf' and file interpreter to read and modify program configuration
- in the future, I plan to fully port this project to Python

### Personal Website

Tech Stack

Personal Project | Time dedicated: 6 mo.

React, SASS, GitHub, HTML, Brackets.io

Goal: create a site that conveys the work I have done in music and technology

- first iteration was built off of an HTML template, plain JavaScript components I created and custom CSS
- this version of the site became difficult to develop, so I employed a new approach using ReactJS, SASS & Brackets.io
- with this new approach, I was able to completely customize the website's UI and convey my artistic capabilities
- I designed custom assets for this site, aside from the basic utility icons used as links in each page section
- later on, I aim to create an ever-more immersive experience that continues to push the norms in UI design

**Note:** some of my projects can be viewed on my GitHub page, accessible via my website at [tinyurl.com/jmath-portfolio](https://tinyurl.com/jmath-portfolio).  
other projects can be found on my Codepen page at [codepen.io/jmathieu145](https://codepen.io/jmathieu145).


## REFERENCES


### Aaron Kravitz

Massachusetts' Office of the Attorney General

Business Analyst (Co-worker & Mentor)

Met January 2018

 617-963-2096


[aaron.kravitz@state.ma.us](mailto:aaron.kravitz@state.ma.us) 

### Mike Blicher

MCBNetwrX, LLC

Managing Director (Mentor & Career Advisor)

Met May 2015

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